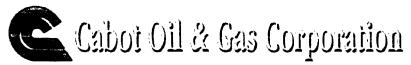
SITE CHARACTERIZATION/REMEDIAL INVESTIGATION AND FINAL REPORT

CABOT OIL & GAS CORPORATION
2H/4H WELLSITE
DIMOCK TOWNSHIP, PENNSYLVANIA

Prepared for:



Cabot Oil & Gas Corporation 5 Penn Center West, Suite 401 Pittsburgh, Pennsylvania 15276

Prepared by:

URS

URS Corporation 501 Holiday Drive, Suite 300 Pittsburgh, PA 15220

JUNE 2010

CABOT-EPA 006221

DIM0227454 DIM0227454



June 18, 2010

Pennsylvania Department of Environmental Protection East Region Oil and Gas Management Program Pennsylvania Department of Environmental Protection 208 West Third Street, Suite 101 Williamsport, PA 17701-6448

Attention:

Ms. Jennifer Means

Environmental Program Manager

Re:

Remedial Investigation/Site Characterization and Final Report

Cabot Oil & Gas Corporation

2H & 4H Wellsite, Dimock Township

Susquehanna County, Pennsylvania

Dear Ms. Means:

On behalf of Cabot Oil & Gas Corporation (Cabot), URS Corporation (URS) has prepared and is submitting the attached Remedial Investigation/Site Characterization and Final Report for the Cabot Oil & Gas A & M 2H and A & M 2H Wellsite (Site) in Dimock Township, Susquehanna County, Pennsylvania. The enclosed report summarizes the initial investigation activities performed following the observance of black water in the vicinity of the Site on March 21, 2010 and subsequent site characterization, remedial action, and demonstration of attainment activities performed to address the April 29, 2010 Order issued to Cabot by the Pennsylvania Department of Environmental Protection (PADEP).

Site soils and groundwater were remediated with attainment of the Statewide Health Standard (residential, used aquifer) Medium-Specific Concentrations, being demonstrated for all constituents of potential concern regulated under Act 2, as specified in 25 PA Code Chapter 250. A completed Land Recycling Program Transmittal Sheet for Plan/Report Submission to accompany the above report and a check in the amount of \$250 for the report submission fee as required for a Statewide Health Standard Final Report is enclosed. It is our understanding that, as the remediation report is being submitted within 90 days of the release, this will complete the submittal requirements under Act 2.

It is also our understanding that this submittal fulfills requirements of items 6, 7, 8, 9, 10, and 11 of the April 29, 2010 Order issued to Cabot by PADEP.

URS Corporation 501 Holiday Drive Foster Plaza 4, Suite 300 Pittsburgh, PA 15220 Tel: 412.503.4600 Fax: 412.503.4703

CABOT-EPA 006222

DIM0227454 DIM0227455



Ms. Jennifer Means June 18, 2010 Page 2 of 2

If there are any questions concerning this document, please contact either Jim Pinta at (412) 503-4602 or me at (412) 503-4560.

Sincerely,

URS CORPORATION

David Testa, QEP Project Manager James Pinta, Jr., Ph.D., P.G. Principal Geologist PA PG# PG-000701G

Enclosure

cc: Phil Stalnaker, Cabot Oil & Gas Corporation

John Smelko, Cabot Oil & Gas Corporation

Eric Rooney, PADEP

Andy Mehalko, URS Pittsburgh

SITE CHARACTERIZATION/REMEDIAL INVESTIGATION AND FINAL REPORT

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Prepared for:



Cabot Oil & Gas Corporation 5 Penn Center West, Suite 401 Pittsburgh, Pennsylvania 15276

Prepared by:



URS Corporation 501 Holiday Drive, Suite 300 Pittsburgh, PA 15220

JUNE 2010

CABOT-EPA 006224

DIM0227454 DIM0227457

SITE CHARACTERIZATION/REMEDIAL INVESTIGATION AND FINAL REPORT

CABOT OIL & GAS CORPORATION 2H/4H WELLSITE DIMOCK TOWNSHIP, PENNSYLVANIA

Prepared for:



Cabot Oil & Gas Corporation 5 Penn Center West, Suite 401 Pittsburgh, Pennsylvania 15276

Prepared by:

URS

URS Corporation 501 Holiday Drive, Suite 300 Pittsburgh, PA 15220

Prepared by: URS Corporation Andy Mehalko, E.I.T Senior Engineer

Prepared by: URS Corporation Amanda Bayne Project Geologist Reviewed and Approved by:

URS C∮poration

James Pinta, Jr., Ph.D., PG

Principal Geologist PG-000701-G

JUNE 2010

TABLE OF CONTENTS

EXECU	ITIVE SUMMARY	ES-1
1.0	INTRODUCTION	1
1.1	Objectives	1
1.2	Scope of Work Performed	2
2.0	SITE DESCRIPTION	10
2.1	Location	10
2.2	Site History	10
3.0	GEOLOGIC AND HYDROGEOLOGIC SETTING	11
3.1	Site Soils/Surficial Geology	11
3.2	Surface Water	11
3.3	Regional Geology	12
3.4	Regional Hydrogeology	12
4.0	SELECTION OF CONSTITUENTS OF POTENTIAL CONCERN AND SELECTION OF	
	REMEDIATION STANDARDS	13
5.0	SITE CHARACTERIZATION/REMEDIAL INVESTIGATION, SITE REMEDIATION AND	
	CONFIRMATIONAL SAMPLING	15
6.0	CONCEPTUAL SITE MODEL AND FATE AND TRANSPORT ANALYSIS	31
7.0	ECOLOGICAL SCREENING ASSESSMENT	33
8.0	SELECTION OF REMEDIATION STANDARDS	34
9.0	ATTAINMENT DEMONSTRATION	35
9.1	Soil	35
9.2	Groundwater	36
9.3	Surface Water	36
9.4	Vapor Intrusion	37
9.5	Post Remediation Care Plan	38
10.0	ENVIRONMENTAL COVENANT	39
11.0	CONCLUSIONS	40
12.0	REFERENCES	45

TABLES

Table 1	Analytical Results – Surface Water Sample Summary
Table 2	Analytical Results – Shallow Well Sample Summary
Table 3	Analytical Results – Deep Drinking Well Sample Summary
Table 4	Analytical Results – Off Site Soil Sample Summary

i

Table 5	$\label{lem:confirmational} \textbf{Analytical Results-Pre- and Post-Remediation Confirmational Soil Sample}$
	Summary
Table 6	Analytical Results – Monitoring Well Sample Summary
Table 7	Groundwater and Surface Water Elevations

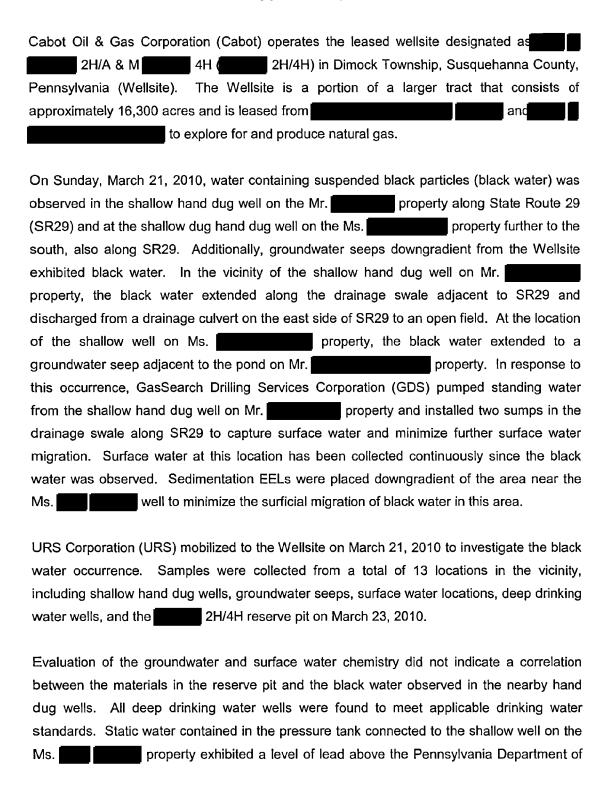
FIGURES

Figure 1	Site Vicinity Map – 2H/4H Wellsite
Figure 2	Site Layout and Sample Location Map – 2H/4H Wellsite
Figure 3	Pre-remediation Locations Sampled – 2H/4H Wellsite Reserve Pit
Figure 4	Post-remediation Locations Sampled – 2H/4H Wellsite Reserve Pit
Figure 5	Geologic Cross Section Location Map – 2H/4H Wellsite
Figure 6	Geologic Cross Section Location A-A' - 2H/4H Wellsite
Figure 7	Geologic Cross Section Location B-B' – 2H/4H Wellsite
Figure 8	Groundwater May 20, 2010 – 2H/4H Reserve Wellsite
Figure 9	Groundwater June 3, 2010 – 2H/4H Wellsite
Figure 10A	Relative Concentrations of Dissolved Metals, pH, and Chloride for Water
	Samples April 2009 to March 2010
Figure 10B	Relative Concentrations of Dissolved Metals and Chloride for Water Samples
	May 2010
Figure 10C	Relative Concentrations of Dissolved Metals, pH, and Chloride for Water
	Samples in Groundwater Monitoring Wells
Figure 11	Area of Impact Remediated – 2H/4H Wellsite

APPENDICES

Appendix A	PADEP Notice of Violation and PADEP Order – 2H/4H Wellsite
Appendix B	Site Photographs
Appendix C	Laboratory Analytical Reports
Appendix D	Disposal Documentation Solids from the Reserve Pit and Water
Appendix E	Boring Logs

EXECUTIVE SUMMARY



Environmental Protection's (PADEP's) Statewide Health Standard (SHS) residential, used-aquifer (R-U) Medium Specific Concentration (MSC); however, due to a potential previous impact, she was receiving bottled water for potable use and maintained a water buffalo in the basement for other water needs.

Initial analytical results (March 2010) indicated the following:

- Water from the reserve pit exceeded the SHS R-U MSCs for the metals aluminum, antimony, arsenic, barium, iron, and lead, TDS, pH, and chloride, and had elevated levels of total coliform and fecal coliform.
- Deep wells that are currently used for drinking water (samples 05, 06, and 12) meet the applicable Federal Maximum Contaminant Levels (MCLs) and PADEP SHS R-U MSCs. Additionally, comparison of the drinking water samples from the Mr. and Mr. wells indicate that no significant change in water quality has occurred in the interim or as a consequence of the occurrence of black water. A comparison of the water collected at the pressure tank from the Ms. residence shows the potential for impact vs. baseline conditions. However, with a previous impact having occurred (indicated by a 12/22/09 analysis) that resulted in her use of bottled water, it is difficult to ascertain the true impact (if any) from the black water.
- elevated levels of total coliform and fecal coliform (and pH at water in the pressure tank at the residence of Ms. 2H-13) that is connected to the shallow hand dug well on her property also exhibited an elevated level for dissolved lead (not collected during the baseline rounds) above the MCL. Consequently, the sample collected directly from the well (3) does not correlate to the water in the pressure tank. This may be due in part to the timing of the sample collection (URS did not become aware of the water present in the tank until the following afternoon after the shallow well sample was collected), but the presence of high levels of total and fecal coliform in the well that are absent in the tank indicate a significant difference.

- The samples collected from the two sumps along SR 29 and the culvert on the east side of SR 29 had elevated levels of total coliform. The upgradient sump location also had elevated levels of fecal coliform while the culvert sample had elevated levels of fecal coliform and exceeded applicable standards for TDS and chloride. The differences between the upgradient and downgradient sumps appear to be influenced by the current/historic runoff in the drainage swale (the upgradient sump was specific to a groundwater seep downgradient of Mr. Shallow well while the downgradient sump represented a combination of flows into the drainage swale). Additionally, at the time of the sample collection in the culvert, flow to the culvert from the west side of SR29 had been intercepted by the vac truck and no flow was apparent entering the west side of the culvert. Consequently, flow out of the culvert on the east side indicates contributions from other sources.
- The samples collected from the up and downgradient stream locations indicate that the unnamed stream flowing to Burdick Creek was not impacted with the up and downstream sample locations being nearly identical for all parameters. Only total and fecal coliform were observed at elevated levels at both locations, likely due to the historic nature of the pasture that drains towards this feature.
- All soil sample results, with the exception of that for arsenic in the reserve mud pit sample (22), were below their respective SHS R-U MSCs.

URS presented the results of these initial findings to the PADEP in a report dated April 9, 2010.

PADEP issued a Notice of Violation (NOV) on April 8, 2010 for alleged violations of the Clean Streams Law of Pennsylvania 35 P.S. §691.1 et. seq.; the Oil and Gas Act, 58 P.S. §601.101 et seq.; the Solid Waste Management Act, 35 P.S. §6018.101, et seq.

On April 29, 2010 an Order was issued requiring Cabot to:

Remove all cuttings and fluids from the reserve pit;

- Implement the final closure and removal of the reserve pit;
- Notify the PADEP the date upon which each of the tasks are initiated and/or completed such that the PADEP can adequately inspect the condition of the liner placed in the reserve pit and oversee the final closure and removal of the reserve pit;
- Submit to the PADEP a letter describing the completion of the final closure and removal of the reserve pit;
- Submit to the PADEP for review and approval a full and thorough Site Characterization Work Plan detailing all tasks necessary to define the horizontal and vertical extent of contamination in soil, groundwater, and subsurface water in the areas surrounding the well pad housing both the A & M
 2H and the A & M
 4H;
- Complete those tasks needed to conduct a full and thorough Site Characterization as necessary to define the horizontal and vertical extent of contamination in soil, groundwater, and surface water. Such investigation should include, but not be limited to, the taking of appropriate soil samples and placement of monitoring wells;
- Submit to the PADEP a Site Characterization Report setting forth the results of its
 investigation and analysis. If necessary, the PADEP shall comment, in writing, on the
 report and, within fifteen (15) days of receipt of the PADEP's comments, Cabot shall
 address the PADEP's comments and submit a revised report to the PADEP
 responding to the comments;
- Submit to the PADEP a Work Plan outlining proposals for remediation of any soil, groundwater, and surface water contamination as identified in the Site Characterization Report in accordance with the Land Recycling Program Regulations, 25 Pa. Code Chapter 250 and setting forth a schedule for initiation and completion dates. If the Work Plan is disapproved, Cabot shall modify the Work Plan, incorporate the PADEP's comments, and submit a revised Work Plan to the PADEP within fifteen (15) days. The cleanup levels set forth in the Work Plan for remediation of soil, groundwater, and surface water contamination shall be governed by the cleanup standards established in 25 Pa. Code Chapter 25;
- Upon approval of the Work Plan by the PADEP, Cabot shall implement the remediation activities outlined in the Work Plan. Cabot shall submit Quarterly Progress Reports outlining activities undertaken in the implementation of the Work Plan; and

 Submit a Final Report to the PADEP demonstrating attainment of the cleanup levels established in the Work Plan. The Final Report shall be submitted in accordance with Act 2.

During the period from April 30, 2010 through May 4, 2010 the materials present in the reserve pit were removed and the liner cleaned. An inspection of the liner revealed a series of perforations primarily in the eastern and western ends. Following removal of the liner and underling geotextile, staining of the underlying straw and subsurface soils was observed. As developed in the field with PADEP, 12 samples were collected from the locations having the darkest staining of hay.

A Work Plan was prepared by URS with input from PADEP to fulfill the requirement of the Order and submitted to the PADEP on May 7, 2010. PADEP comments on the Work Plan were provided via e-mail on May 12, 2010. URS provided responses to the comments on May 13, 2010 on behalf of Cabot and the Work Plan was implemented. The PADEP-approved Work Plan included the following scope of activities:

- Characterization of the source material, namely the liquid and solids portion of the cuttings from the reserve pit;
- Characterization of subsurface materials immediately below the stained hay at the 12 most stained locations identified immediately after mud, liner, and geotextile removal from the pit,
- Confirmational sampling, after remediation of stained material from the base and the sides of the reserve pit, at the locations of the original characterization sampling plus one additional location in the base of the pit, as requested by PADEP;
- Characterization of groundwater, drinking water, surface water, and sediments in the vicinity of the Wellsite; and
- Installation of bedrock monitoring wells on the well pad to evaluate water table potentiometric surface and groundwater quality in the immediate vicinity of the reserve pit.

Following removal of the impacted hay and subsurface soils from the reserve pit, 12 confirmational samples were collected at the same locations and, also at the request of the PADEP, a 13th sample was collected where a rock created a small tear in the liner at the base of the pit during removal of material from the pit, approximately one third of the length in from the eastern side. Results of the pre-remediation sampling showed exceedances of the SHS R-U MSC for arsenic at three locations and barium at one location. Post-remediation sampling showed exceedances slightly above the SHS R-U MSC for arsenic at two locations. With the concurrence of PADEP, additional remediation was conducted at these locations and confirmational samples were collected and analyzed for arsenic only. Results of the confirmational samples showed arsenic to be below the SHS R-U MSC and approval was granted by PADEP to complete the final closure of the pit. Approximately 1,500 yds³ of drilling material and subsurface soil was removed from the reserve pit and properly disposed.

A second round of samples from the reserve pit, hand dug wells, groundwater seeps, and drinking water wells in the surrounding area was collected during the period from May 1, 2010 (with the removal of the pit materials) to May 7, 2010, consistent with the approved Work Plan. During this event, a water sample could not be collected from the pit as the solid content was too high. In addition, insufficient water was present at the groundwater seep downgradient of the Ms. Shallow well to sample. Two samples were collected during this time from the Mr. Shallow hand dug well and downgradient sump along SR29.

During both of these sampling rounds, all constituents of potential concern (COPC) for regulated constituents were below the SHS R-U MSCs except as follows:

- Lead was detected during the first sampling round at the Ms. pressure tank;
- TDS and chloride were above their respective MSCs at the storm culvert east of SR29:
- pH was below the MSC at the shallow hand dug well on the Mr.

 property; and
- Reserve pit water exceeded the SHS R-U MSCs for aluminum, antimony, arsenic, barium, iron and lead, pH, TDS, and chloride; however, this water was removed

during the reserve pit closure activities and properly disposed off-site and is therefore not a medium of concern.

Manganese was an order of magnitude lower in the reserve pit and thallium was not detected in the groundwater wells installed on the well pad (the RL for thallium in the original sampling event for the reserve pit was above the SHS R-U MSC). All concentrations were below their respective SHS R-U MSCs during the second round of Remedial Investigation/Site Characterization sampling. As water from the reserve pit had a high pH, the low pH observed at the Mr. well is not a function of impact by fluid from the reserve pit; therefore, pH is not a COPC.

A subsurface investigation was conducted in the vicinity of the reserve pit on the well pad to help formulate the Conceptual Site Model (CSM). According to the approved Work Plan, monitoring wells were installed on the well pad (MW-1, MW-2, and MW-4) in the northwest, northeast, and southwest corners, respectively. Two attempts were made to install MW-3 in the southeast corner of the wellpad; however, after advancing the borehole 100 ft-below ground surface (bgs) at two locations in the southeast corner of the well-pad, groundwater was not encountered and, with the concurrence of PADEP, the boreholes were abandoned. The boreholes on the well pad showed that subsurface materials generally consisted of between 8 to 18 ft of unconsolidated fill (well pad material) and decomposed siltstone overlying fractured sandstone bedrock. Evaluation of the groundwater potentiometric surface showed that the potentiometric surface generally followed the overlying topography, trending generally to the southeast. Predominant fractures in bedrock in the area trend east to west and are expected to be the primary flow pathways in the subsurface.

Two rounds of groundwater data were collected in accordance with the approved Work Plan on May 20, 2010 and June 3 and 4, 2010. Analytes included Target Compound List (TCL) Volatile Organic Compounds (VOCs), TCL Semi Volatile Organic Compounds (SVOCs), Target Analyte List (TAL) metals, and selected wet chemistry parameters and coliform analyses (total, fecal, and fecal strep). For both rounds of sampling, all groundwater results were below their respective SHS R-U MSCs for all regulated compounds with the exception of bis(2-ethylhexyl)phthalate at MW-2 during the May 20, 2010 event. However, this compound is believed to be either a laboratory or sampling contaminant and was not present in the pit material sampled; therefore, it is not a COPC for the Site.

More than 1 million gallons of surface water derived from groundwater seeps has been recovered from the two sumps installed on March 21, 2010 in the drainage swale along SR29. These sumps capture groundwater emanating from the groundwater seep downgradient of the shallow hand dug well on Mr. property. As a result, migration of the surface water from this area to the downgradient tributary to Burdick Creek has been eliminated since pumping began. Recovery continues to be conducted at the downgradient sump location pending PADEP approval to discontinue this activity.

Based on confirmational soil sampling results conducted after remediation of materials from the reserve pit, soil impact associated with the reserve pit has been delineated both vertically and horizontally at the Wellsite and remediation has been effective in removing impacts to the subsurface from material released from the reserve pit.

As shown by the sampling conducted at the monitoring wells installed at the Wellsite (MW-1, MW-2, and MW-4), groundwater below the well pad is not impacted by effects from the reserve pit.

Based on the evaluation of the chemistry of the downgradient shallow wells, groundwater seeps, and groundwater monitoring wells installed on the well pad, and consistent with the Site Conceptual Model, the black water occurrence in the shallow wells, groundwater seeps, and surface water is not related to the materials that were present in the reserve pit. Based on the presence of coliform identified in the area (residual impacts from historic agricultural use), shallow wells, groundwater seeps, and the water from the stream should not be used as a drinking water source. All deep drinking water wells evaluated were free of coliform and met federal and state drinking water standards.

The selected remediation standard for demonstration of attainment is the SHS R-U MSC, for all COPCs as specified in 25 PA Code Chapter 250.

The following analytes were detected at the Wellsite and are considered to be COPCs:

Soil:

- VOCs: n-butylbenzene, sec-butylbenzene, ethylbenzene, isopropylbenzene
 (cumene), p-isopropyltoluene, naphthalene, n-propylbenzene, toluene, 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, and total xylenes;
- SVOCs: none
- Metals: aluminum, antimony, arsenic, barium, beryllium, boron, calcium, chromium, cobalt, copper, iron, lead, magnesium, molybdenum, nickel, potassium, silver, vanadium, and zinc; and
- Nitrogen (as ammonia).

Groundwater and Surface Water:

- VOCs: bromomethane;
- SVOCs: none;
- Metals: aluminum, antimony, arsenic, barium, boron, calcium, chromium, copper, iron, lead, magnesium, molybdenum, nickel, potassium, sodium, vanadium, zinc; and
- Chloride.

Acetone, 2-butanone (MEK), carbon disulfide, and bis(2-ethylhexyl)phthalate, while detected in certain samples, are considered to be laboratory contaminants, and, therefore, not COPCs. In addition, although manganese and thallium were detected in surface water and/or groundwater samples, they are not considered to be COPCs because of their low concentration in the reserve pit materials. Surfactants and chloride do not have MSCs for soils under Act 2.

Once PADEP has issued the ROL for this area, the following reclamation activities will be conducted:

- Water recovery from the sump along SR 29 will be discontinued;
- The downgradient sump will be reclaimed and the function of the drainage swale along SR29 restored; and
- Upon receipt of an ROL for soil and groundwater from the PADEP, Cabot will properly decommission the three monitoring wells installed on the well pad (MW-1, MW-2, and MW-4. The wells will be decommissioned according to PADEP Land Recycling Program Technical Guidance Manual, Section V, Attachment F dated June 2002 (as updated) and the Groundwater Monitoring Guidance Manual, Chapter 7 Well Abandonment Procedures, Section 7.4 Material and Methods, Subsection 7.4.2 Sealants, dated December 1, 2001.

1.0 INTRODUCTION

This Remedial Investigation/Site Characterization and Final Report documents the investigation activities, cleanup efforts, estimated area impacted, and the results of site remediation related to the observed occurrence of black water on March 21, 2010 in the vicinity of the A & M 2H/A & M 4H 2H/4H) wellsite located in Dimock Township, Susquehanna County, Pennsylvania (Wellsite). The Wellsite is currently owned by and and part of a larger tract of land (about 16,300 acres) that is leased by Cabot Oil & Gas Corporation (Cabot) to explore for and produce natural gas (Figure 1). Cabot received a Notice of Violation (NOV) on April 8, 2010 regarding the occurrence of black water in the vicinity of the Wellsite (Appendix A).

The Wellsite was constructed according to an approved Erosion and Sedimentation (E&S) Control Plan prepared August 2009 and as revised October 9, 2009. The Wellsite is bounded to the east and west by wooded areas, a rock quarry to the north, and farmland to the south. The well pad is bounded by a berm along its perimeter to prevent the uncontrolled release of materials from the Site. Water in the area drains to the east towards an unnamed tributary of Burdick Creek, a tributary that flows to Meshoppen Creek that is designated as a Cold Water Fishery (CWF). To the west and south of the Wellsite, surface water drains to a low lying pond across SR 3010. This pond drains to Stevens Creek that also flows to Meshoppen Creek.

1.1 OBJECTIVES

In accordance with 25 PA Code Chapter 250, the objectives of the Remedial Investigation/ Site Characterization and Final Report are to:

- Provide sufficient physical data through field investigations to determine if a release
 has occurred and, if so, what constituents of potential concern (COPCs) are involved
 and the extent of migration, if any, of those COPCs into surface water, groundwater,
 soil, or sediment;
- Evaluate and define any source(s) of impact;

- Evaluate whether interim remedial actions are necessary to abate an imminent hazard to human health or the environment and describe the remedial actions conducted to minimize impact to the environment;
- Determine, from measurements at the Site, values for input parameters, including hydraulic conductivity, source dimensions, hydraulic gradient, and groundwater table fluctuations necessary for fate and transport analysis;
- Develop a Conceptual Site Model (CSM);
- Provide an evaluation of potential exposure pathways and potentially exposed populations; and
- Provide sufficient information to draw conclusions regarding the attainment of the clean up standards selected and, if required, development of warranted remedial options for each medium of concern.

1.2 SCOPE OF WORK PERFORMED

On Sunday March 21, 2010 an initial observance of black water was reported to Cabot by one of the adjacent landowners, Mr. whose property is to the northeast of the Site. Cabot subsequently reported the occurrence to the Pennsylvania Department of Environmental Protection (PADEP). Initial response was performed that day (Sunday, March 21, 2010) by Cabot and URS Corporation (URS) documenting the presence of the black water at the shallow hand dug well located on Mr. property adjacent to State Route 29 (SR 29) (Figure 2), and emanating from a groundwater seep downgradient of this well to the drainage swale on the west side of SR 29. Photos are provided in Appendix B. The drainage swale is intercepted by a culvert present underneath SR 29 at the intersection of SR 29 and the access road to the well pad that discharges to an open field on the east side of the road. The field grades topographically to the east towards an un-named tributary to Burdick Creek that flows south to Meshoppen Creek, which is designated as a CWF. URS conducted sampling of the Wellsite reserve pit materials and soils, sediments, groundwater seeps, and drinking water locations in the vicinity of the Wellsite following the observance of black water in shallow, hand dug wells, and groundwater seeps in the vicinity of the Wellsite. A sample location map is provided as Figure 2. The results of this sampling are contained in the URS Report dated April 9, 2010, provided to the PADEP by Cabot on the same date.

Initial response activities were conducted by GasSearch Drilling Services Corporation (GDS) and involved removal of water from the shallow hand dug well on Mr. with a vac truck and then constructing two shallow sumps in the drainage swale to intercept and prevent surface migration to the drainage culvert running beneath SR29. A vac truck was set up to continuously remove water collected in the shallow sumps. An inspection of the surrounding hillside between the well pad and SR 29 was conducted and no additional groundwater seeps or evidence of black water were identified in this area. A groundwater seep discharges to a drainage swale adjacent to the well pad access road, flowing through a culvert under the barn east of Mr. residence that is owned by the Barn), and eventually discharges to the drainage swale along SR 29. No visible black water or sediment was identified in this groundwater seep. Additionally, as a precaution, GDS mobilized vac trucks to remove standing water from the A & M 4H well cellars and the adjacent reserve pit located on the northern and A & M portion of the well pad.

On April 8, 2010 PADEP issued an NOV for alleged violations of the Clean Streams Law of Pennsylvania 35 P.S. §691.1 et. seq.; the Oil and Gas Act, 58 P.S. §601.101 et seq.; and the Solid Waste Management Act, 35 P.S. §6018.101, et seq (**Appendix A**).

On April 29, 2010, the PADEP issued an Order (Order; received May 3, 2010) directing Cabot to:

- Remove all cuttings and fluids from the reserve pit;
- Implement the final closure and removal of the reserve pit;
- Notify the PADEP the date upon which each of the tasks are initiated and/or completed such that the PADEP can adequately inspect the condition of the liner placed in the reserve pit and oversee the final closure and removal of the reserve pit;
- Submit to the PADEP a letter describing the completion of the final closure and removal of the reserve pit;
- Submit to the PADEP for review and approval a full and thorough Site Characterization Work Plan detailing all tasks necessary to define the horizontal and vertical extent of contamination in soil, groundwater, and subsurface water in the

areas surrounding the well pad housing both the A & M 2H and the A & M 4H;

- Complete those tasks needed to conduct a full and thorough Site Characterization as necessary to define the horizontal and vertical extent of contamination in soil, groundwater, and surface water. Such investigation should include, but not be limited to, the taking of appropriate soil samples and placement of monitoring wells;
- Submit to the PADEP a Site Characterization Report setting forth the results of its investigation and analysis. If necessary, the PADEP shall comment, in writing, on the report and, within fifteen (15) days of receipt of the PADEP's comments, Cabot shall address the PADEP's comments and submit a revised report to the PADEP responding to the comments;
- Submit to the PADEP a Work Plan outlining proposals for remediation of any soil, groundwater, and surface water contamination as identified in the Site Characterization Report in accordance with the Land Recycling Program Regulations, 25 Pa. Code Chapter 250 and setting forth a schedule for initiation and completion dates. If the Work Plan is disapproved, Cabot shall modify the Work Plan, incorporate the PADEP's comments, and submit a revised Work Plan to the PADEP within fifteen (15) days. The cleanup levels set forth in the Work Plan for remediation of soil, groundwater, and surface water contamination shall be governed by the cleanup standards established in 25 Pa. Code Chapter 25;
- Upon approval of the Work Plan by the PADEP, Cabot shall implement the remediation activities outlined in the Work Plan. Cabot shall submit Quarterly Progress Reports outlining activities undertaken in the implementation of the Work Plan; and
- Submit a Final Report to the PADEP demonstrating attainment of the cleanup levels established in the Work Plan. The Final Report shall be submitted in accordance with Act 2.

During the time period from April 30 – May 4, 2010, Cabot removed the residual fluids and drill cuttings from the reserve pit. The fluids were removed using vac trucks and super suckers and transported for treatment. The cuttings were removed using excavators and hand labor and loaded to roll-off boxes and transported off-site for disposal. The plastic liner and underlying geotextile at the reserve pit were removed to expose the subsurface soils

under the geotextile and liner. Hay used to protect the geotextile and plastic liner from punctures was observed to be stained in several locations, with the darkest discoloration being observed at 6 locations at the bottom of the reserve pit, 2 locations along the northern wall of the pit, and 4 locations along the southern wall of the reserve pit.

URS prepared and implemented the Work Plan required by the PADEP Order. The PADEPapproved Work Plan included the following scope of activities:

- Characterization of the source material, namely the liquid and solids portion of the cuttings from the reserve pit;
- Characterization of subsurface materials immediately below the stained hay at the 12 most stained locations identified immediately after mud removal from the pit,
- Confirmational sampling after remediation of stained material from the base and the sides of the reserve pit at the locations of the original characterization sampling plus one additional location in the base of the pit, as requested by PADEP;
- Characterization of groundwater, drinking water, surface water, and sediments in the vicinity of the wellsite; and
- Installation of bedrock monitoring wells on the well pad to evaluate water table potentiometric surface and groundwater quality in the immediate vicinity of the reserve pit.

Sampling of pit materials was conducted on May 1, 2010 during their removal. An initial round of sampling of the pit base and walls was performed following removal of the liner and straw sub-base at 12 locations exhibiting the greatest visible staining on May 4, 2010. Analytes collected (consistent with the Work Plan) included:

- Volatile Organic Compounds (VOCs) (Target Compound List [TCL] + n-butylbenzene, sec-butylbenzene, n-propylbenzene, and p-isopropyltoluene);
- Semi-Volatile Organic Compounds (SVOCs) (Tentatively Identified Compounds [TICs]);
- Metals (Target Analyte List [TAL]); and

Chloride and MBAS (on the ASTM leachate).

Following remedial activities consisting of removal of stained hay and stained soil, these locations were re-sampled on May 10, 2010 and a thirteenth sample was collected on May 13, 2010. Following receipt of the confirmational sample analyses, two locations 2H/4H-7R and 2H/4H-12R from the base of the pit exceeded the Statewide Health Standard (SHS), Residential Used Aquifer (R-U), Medium Specific Concentration (MSC) for arsenic. Consequently, URS remobilized to the Site on May 27, 2010 to conduct additional remediation and confirmational sampling in these areas. At the direction of PADEP, samples were recollected from these two locations following removal of additional soil and analyzed for arsenic only. Following the additional remediation and subsequent confirmational sampling, all regulated constituents were below their respective SHS R-U MSCs and a request was made to allow final closure of the reserve pit on June 2, 2010, consistent with the Order. PADEP approved the initiation of final closure on June 3, 2010 and extended the final closure date to June 18, 2010 to allow for any additional activities that could be required to comply with the Order.

A second round of sampling at the previously identified locations surrounding the Wellsite (consistent with the initial sampling performed during March 23 through March 25, 2010, above) was conducted during the period from May 1, 2010 through May 7, 2010. Note that samples from the shallow hand dug well on Mr. property and downgradient sump were collected twice during this period, once during pit cleaning activities on May 1, 2010, and again during a full round of sampling on May 6 and 7, 2010. Samples were analyzed for:

Water:

- VOCs (TCL + n-butylbenzene, sec-butylbenzene, n-propylbenzene, and pisopropyltoluene);
- Metals (TAL);
- pH, total dissolved solids (TDS), total suspended solids (TSS), chloride, sulfide, and MBAS (surfactants); and
- Total coliform, fecal coliform, and fecal strep.

Soil/sediment samples:

- VOCs (TCL + n-butylbenzene, sec-butylbenzene, n-propylbenzene, and pisopropyltoluene);
- Metals (TAL); and
- Chloride, sulfide, and MBAS (on the ASTM leachate).

During the second round of sampling, the groundwater seep downgradient of the shallow hand dug well on Ms. property did not have sufficient water to sample and only a sediment sample could be collected. Additionally, while a sample was collected as a pit water sample on May 1, 2010, the high level of solids present necessitated laboratory analysis as a solid. Furthermore, in addition to the sediment collected from the area of overland flow between the hand dug well on Mr. property and the up-gradient sump, sediment was also collected from the sump during this round. No overland flow was present between the hand dug well and the sump during this event.

The analytical results for the pit and soil/sediment samples were compared to their respective Act 2 SHS R-U MSCs, or direct contact level MSC (whichever is more stringent) under 25 PA Code Chapter 250 (hereafter SHS R-U MSC). Drinking water samples were compared to their applicable Federal Drinking Water Maximum Contaminant Levels (MCLs) and SHS R-U MSCs. Additionally, surface water and stream samples were compared to applicable surface water quality criteria per 25 PA Code Chapters 16 and 93.

As described in the Work Plan, an attempt was made to install four bedrock monitoring wells on the well pad to evaluate the water table potentiometric surface and groundwater quality in the immediate vicinity of the reserve pit. On May 17 through 20, 2010, three monitoring wells MW-1, MW-2, and MW-4 were installed (Figure 2) in the northwest, northeast, and southwest corners of the well pad, respectively. Additionally, two soil borings were advanced to 100 feet below ground surface (ft-bgs) in the southeast corner of the wellpad in an attempt to intercept the water bearing unit in this area (proposed well MW-3). As no groundwater was encountered, with the concurrence of PADEP, the borings were abandoned and no well was installed in this location. Boring logs for the boreholes and monitoring well construction diagrams are provided in **Appendix E**. Following completion, wells were surveyed to allow

groundwater levels to be measured to the nearest 0.01 feet mean sea level (ft-msl). Following development on May 20, 2010, an initial round of groundwater samples was collected and analyzed for the following parameters:

- VOCs (TCL + n-butylbenzene, sec-butylbenzene, n-propylbenzene, and pisopropyltoluene);
- SVOCs (TCL + Tentatively Identified Compounds [TICs]);
- Metals (TAL);
- pH, TDS, total suspended solids (TSS), chloride, sulfide, and MBAS (surfactants);
 and
- Total coliform and fecal coliform.

Groundwater samples were compared to their applicable MCLs and SHS R-U MSCs. All values were below their respective standards. A second round of groundwater samples was collected on June 3, 2010. Note that total and fecal coliform levels were present above the Maximum Contaminant Level Goal (MCLG) of zero; however, insufficient samples were collected to allow direct comparison to the MCL criteria of no more than 5.0% samples total coliform-positive in a month. In addition, the groundwater levels were measured at the monitoring wells and surrounding shallow hand dug wells and surface water features (i.e., ponds) and a potentiometric surface was contoured for the initial and subsequent groundwater sampling events. Based on the observed water levels, the groundwater potentiometric surface generally follows the topographical surface with the potentiometric surface trending to the east, southeast, and south across the well pad; however, predominant fractures in bedrock in the area trend W 80 E (almost west-east) and are expected to be the primary groundwater flow pathways in the subsurface.

The extent of the impact from the reserve pit materials released was determined and a remedial action implemented. A subsurface investigation and sample collection was conducted near the reserve pit on the well pad to help formulate the CSM. Two phases of remediation of soil were conducted over the time period from April 30, 2010 to May 27, 2010 to remove impacts from the reserve pit to the surrounding soils. Approximately 1,500 yds³ of drilling material and potentially impacted soil has been removed from the pit and surrounding

property following the black water occurrence and seepage water has been removed from sumps along SR29 continuously since the occurrence on March 21, 2010. More than 1 million gallons of potentially impacted surface and groundwater has been recovered from the pit, shallow hand dug wells, and sumps along SR29 and properly disposed.

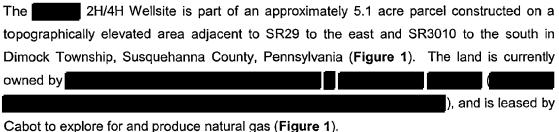
URS compared the levels of constituents found in the reserve pit with those in the ground water and downgradient locations to evaluate the potential for impact. Based on a comparison of the constituents present in the reserve pit to the constituents present in downgradient sample locations, the chemistry of the downgradient samples is significantly different than that observed in the samples from the reserve pit. As the groundwater aquifer is comprised of fractured bedrock, it is not expected that groundwater chemistry would change appreciably due to subsurface flow. As such, consistent with the CSM, it is not believed that the black water occurrence is the result of materials present in the reserve pit.

Once all documentation was assembled and evaluated, this Remedial Investigation/Site Characterization and Final Report was compiled to document Wellsite activities, Wellsite conditions, demonstrate attainment with the SHS R-U MSCs for all COPCs associated with the mud release, and request Relief From Further Remediation Liability Protection (ROL) from the PADEP for GDS, Cabot, the landowners and and and and all subsequent owners and operators of the remediated area in accordance with Pennsylvania's Land Recycling Act

(Act 2) and with the regulatory requirements of 25 PA Code Chapter 250.

2.0 SITE DESCRIPTION

2.1 LOCATION



Cabot to explore for and produce flatdral gas (Figure 1).

The Wellsite (Figures 1 and 2) was constructed according to an approved E&S Control Plan prepared August 2009 and as revised October 9, 2009. The Wellsite is bounded to the east and west by wooded areas, a rock quarry to the north, and farmland to the south. The well pad is bounded by a berm along its perimeter to prevent the uncontrolled release of materials from the Site. Water in the area drains to the east towards an unnamed tributary of Burdick Creek, a tributary that flows to Meshoppen Creek that is designated as a CWF. To the west and south of the Wellsite, surface water drains to a low lying pond across SR 3010. This pond drains to Stevens Creek that also flows to Meshoppen Creek.

2.2 SITE HISTORY

Cabot operates the leased Wellsite that is a portion of a larger tract that consists of approximately 16,300 acres and is leased from and to explore for and produce natural gas (Figure 1). The area was formerly used for agricultural purposes.

The reserve pit on the Wellsite consists of an approximately 320 ft by 37 ft area to a depth of approximately 13 ft along the northern portion of the well pad. The black water occurrence was initially identified in a shallow hand dug well on Mr. property to the northeast that is topographically downhill from the Wellsite and subsequently in the shallow hand dug well on the property owned by Ms. that is across SR29 and to the southeast of the Wellsite (Figure 2). The extent of the black water occurrence downgradient of the hand dug well on the property owned by Mr. extended across (east of) SR29 into an open field owned by

3.0 GEOLOGIC AND HYDROGEOLOGIC SETTING

3.1 SITE SOILS/SURFICIAL GEOLOGY

The soils underlying the Wellsite well pad belong to the Mardin Channery silt loam. The annual precipitation is on the average of 30 to 45 inches, while the average air temperature ranges from 45 to 50 degrees Fahrenheit. The frost-free period ranges from 110 to 150 days.

Slopes are generally 8 to 15 percent. This component is on hills. The parent material consists of reddish ablation till derived from sandstone and siltstone. Depth to a root restrictive layer, fragipan, is typically 14 to 26 inches. The natural drainage class is moderately well drained. Water movement in the most restrictive layer is very low to moderately high. Available water to a depth of 2.9 inches is very low. Average depth to water is about 11 to 22 inches. There is no frequency of flooding or ponding. This soil does not meet hydric criteria.

The surficial deposit at the Wellsite is comprised of Wisconsin-Age glacial till. The till rests unconformably atop the Upper Devonian Catskill Formation bedrock. The till is a red to brown, poorly sorted unit consisting of clay to boulder sized particles. Highly eroded glacial erratics and relatively unweathered local sandstone bedrock are incorporated in the predominantly fine-grained matrix. According to Braun (2006), these deposits occur with thicknesses of 30 to over 100 feet in the vicinity of the Site, with the thickest deposits located at the base of pre-glacial slopes. Braun (2006) reports a till thickness of over 100 feet immediately west of the unnamed tributary to White Creek, due west (and in the downhill direction) of the Site.

3.2 SURFACE WATER

An unnamed tributary of Burdick Creek receives surface water runoff from the vicinity of the Wellsite. Burdick Creek is a tributary that flows to Meshoppen Creek that is designated as a CWF. To the south and west of the Wellsite, surface water drains to a low lying pond across SR 3010. This pond drains to Stevens Creek that also flows to Meshoppen Creek.

3.3 REGIONAL GEOLOGY

The Site is located at approximately 1,540 ft above mean sea level (amsl) in the **Glaciated Low Plateau Section of the Appalachian Plateaus Province** physiographic province. The Glaciated Low Plateau Section includes an area of diversified topography in northeastern Pennsylvania. The topography consists of rounded hills and broad to narrow valleys all of which have been modified by glacial erosion and deposition. Swamps and peat bogs are common in the area. The area reflects the interplay between bedrock of various types, mainly sandstones and siltstones, and glacial erosion and deposition. The more erosion-resistant rocks form the hills, while the less erosion-resistant rocks occur in the valleys. Glacial deposits, mainly glacial till or sand and gravel, may occur anywhere, but are found mainly in the valley bottoms and margins (Sevon, 2000).

3.4 REGIONAL HYDROGEOLOGY

The local hydrogeology at the Site is typical of the regional hydrogeology of the Low Glaciated Section of the Appalachian Plateau Physiographic Province (Socolow, 1980). The uppermost aquifer is typically unconfined and within unconsolidated glacial till and upper portions of fractured bedrock (present in fractures). The till in this area is typically more discontinuous than in the northwestern portion of the state. Some of these soils have a fragipan at shallow depth and therefore are somewhat poorly drained. The surface texture of these soils is predominantly silt loam. The landscape is undulating and the erosion potential is low to moderate. Rock fragments are common in the soils of this area. Some of the soils have very low root zone available water-holding capacity due to their limited rooting depth. The growing season is short due to the elevation and northern latitude.

4.0 SELECTION OF CONSTITUENTS OF POTENTIAL CONCERN AND SELECTION OF REMEDIATION STANDARDS

Based on the observed release of drilling mud and the results of the site characterization/remedial investigation, site media (soil, groundwater, and surface water) at the Wellsite were evaluated as follows;

Soil:

- TCL VOCs and VOCs potentially present in the drilling residuals (n-propylbenzene, nbutylbenzene, 4-isopropyltoluene, sec-butylbenzene, and isopropylbenzene);
- TCL SVOCs;
- surfactants (as MBAS) and chloride; and
- TAL Metals.

Groundwater and Surface Water:

- TCL VOCs and VOCs potentially present in the drilling residuals (n-propylbenzene, nbutylbenzene, 4-isopropyltoluene, sec-butylbenzene, and isopropylbenzene);
- TCL SVOCs;
- Total and dissolved TAL Metals; and
- Total suspended solids (TSS), total dissolved solids (TDS), sulfide, chloride, surfactants (as MBAS), pH, and total and fecal coliform.

Additionally, the following parameters were collected at certain locations to allow a better understanding of site conditions: acidity, alkalinity, nitrogen (ammonia); ethylene glycol, TPH, oil and grease, and fecal strep.

The following regulated compounds under Act 2 were detected at the Wellsite and are considered COPCs, except as noted below (TGM, 2002):

Soil:

 VOCs: n-butylbenzene, sec-butylbenzene, ethylbenzene, isopropylbenzene (cumene), p-isopropyltoluene, naphthalene, n-propylbenzene, toluene, 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, and total xylenes; SVOCs: none;

 Metals: aluminum, antimony, arsenic, barium, beryllium, boron, calcium, chromium, cobalt, copper, iron, lead, magnesium, molybdenum, nickel, potassium, silver,

vanadium, and zinc; and

Nitrogen (as ammonia).

Groundwater and Surface Water:

VOCs: bromomethane;

SVOCs: none;

Metals: aluminum, antimony, arsenic, barium, boron, calcium, chromium, copper,

iron, lead, magnesium, molybdenum, nickel, potassium, sodium, vanadium, zinc; and

Chloride.

Acetone, 2-butanone (MEK), carbon disulfide, and bis(2-ethylhexyl)phthalate, while detected in certain samples, are considered to be laboratory contaminants, and, therefore, not COPCs. In addition, although manganese and thallium were detected in surface water and/or groundwater samples, they are not considered to be COPCs because of their low concentration in the reserve pit materials. Surfactants and chloride do not have MSCs for soils under Act 2.

The selected remediation standard for demonstration of attainment for both groundwater and soil is the SHS R-U MSCs, as specified in 25 PA Code Chapter 250 for all COPCs.

5.0 SITE CHARACTERIZATION/REMEDIAL INVESTIGATION, SITE REMEDIATION AND CONFIRMATIONAL SAMPLING

On Sunday March 21, 2010 an initial observance of black water was reported to Cabot by one of the adjacent landowners, Mr. whose property is to the northeast of the Site. Cabot subsequently reported the occurrence to the PADEP. Initial response was performed that day (Sunday March 21, 2010) by Cabot and URS documenting the presence of the black water at the shallow hand dug well located on Mr. property adjacent to State Route 29 (SR 29) (Figure 2) and emanating from a groundwater seep downgradient of this well to the drainage swale on the west side of SR 29. Photos are provided in Appendix B. The swale is intercepted by a culvert present underneath SR 29 at the intersection of SR 29 and the access road to the well pad that discharges to an open field on the east side of the road. The field grades topographically to the east towards an un-named tributary to Burdick Creek that flows south to Meshoppen Creek, which is designated as a CWF.

Initial Response Activities

Initial response activities were conducted by GDS involving removal of water from the shallow hand dug well on Mr. property with a vac truck and then constructing shallow sumps within the drainage swale along SR29 to intercept and prevent surface water migration to the drainage culvert. A vac truck was set up to continuously remove water collected in the shallow sumps. An inspection of the surrounding hillside between the well pad and SR 29 was conducted and no additional groundwater seeps or evidence of black water were identified in this area. A groundwater seep does discharge to a drainage swale adjacent to the well pad Site access road, flowing through a culvert under the adjacent to the property owned by Mr. and eventually discharging to the drainage swale along SR 29. No visible black water or sediment was identified in this groundwater seep. Additionally, as a precaution, GDS mobilized vac trucks to remove standing water from the 2H and 4H well cellars and the adjacent reserve pit located on the northern portion of the well pad to evaluate the condition/integrity of the pit liner. No holes or tears were observed from the portion of the pit liner between the highest water level mark and the remaining level of the water observed in the pit during the initial investigation. Photographs of initial conditions and response activities are presented in Appendix B.

On Monday March 22, 2010 inspections were conducted by PADEP and URS of the reserve pit on the well pad and in the vicinity of the Wellsite. Black water was observed in the property located to the south and east shallow hand dug well located on Ms. of the Site (Figure 2) and at an adjacent surface groundwater seep. The surface groundwater seep discharged both to the adjacent pond owned by Mr. and a marshy area further to the north. A temporary earthen dam was installed by and Mr. to prevent migration of the groundwater seep to the pond. Additionally, GDS installed two erosion eels perpendicular to the groundwater seep flow to prevent the migration of sediments to the marshy area. Due to prior impact, the shallow hand dug well is not used by Ms. for drinking water purposes. Drinking water is provided as bottled water and other non-potable water is supplied by a poly tank "buffalo" located in her basement. Photographs are presented in Appendix B.

On Tuesday March 23, 2010, URS completed an inspection of the wooded areas to the west of the Wellsite and the adjacent property to the south owned by Mr. No visible signs of black water or sediment were identified. A groundwater seep was identified discharging to the drainage swale along SR 3010 to the southwest of the Site. This groundwater seep was free of any visible black water or sediment and visual inspection of the drainage culverts on the south side of SR 3010 (draining to a pond further to the south) likewise did not exhibit any black water or sediment.

URS proceeded to collect water and sediment samples at the following locations to evaluate for the potential source of the black water/black sediment as follows (note that sampling locations where a split was performed with PADEP are indicated with a "*"):

Tuesday (3/23/10):

Sample 1* – 2H Reserve Pit (water);

Sample 2 – 2H Reserve Pit (solids);

Sample 3* – Ms. 2 surface water sump/shallow hand dug well (residential use);

Sample 4* – Mr. 4 hand pump sump/shallow hand dug well;

Sample 5 – Mr. tap water;

- Sample 6 Mr. residential water (before the in-line filter reported to be ~170 feet deep with 40 feet of casing);
- Sample 7 Mr. shallow hand dug well.

Wednesday (3/24/10):

- Sample 8 Sump installed near SR 29/access road to the Wellsite (water);
- Sample 9 Sump installed near SR 29/access road to the Wellsite (sediment);
- Sample 10 Surface sediment between Mr. shallow hand dug well and the groundwater seep discharge to the southernmost sump on his property;
- Sample 11 Groundwater seep on Mr. property discharging to the southernmost sump;
- Sample 12 Water source (within barn) on the property (reported to be ~325 feet deep with a casing of 20 feet);
- Sample 13 Pressure tank at the residence of Ms. [reported to contain water pumped from the shallow well to the residence on Sunday (3/21/10) when black water was first observed in the area];

Thursday (3/25/10)

- Sample 14 Stream receiving drainage from the field that receives drainage from SR 29 culvert (water upgradient of receiving point);
- Sample 15 Stream receiving drainage from the field that receives drainage from SR 29 culvert (sediment upgradient of receiving point);
- Sample 16 Stream receiving drainage from the field that receives drainage from SR 29 culvert (water downgradient of receiving point);
- Sample 17 Stream receiving drainage from the field that receives drainage from SR 29 culvert (sediment downgradient of receiving point).
- Sample 18 Sediment sample from drainage area in the field between culvert on east side of SR29 and the stream (sediment)
- Sample 19 Outfall from culvert on east side of SR 29 that drains swale on west side of SR 29 that was reported to contain black water on 3/21/10 (water)

June 2010 Revision 0

Sample 20 – Outfall from culvert on east side of SR 29 that drains swale on west side of SR 29 that was reported to contain black water on 3/21/10 (sediment);

Sample 21 – Groundwater seep in Ms. field (sediment diversions installed) (water); and

Sample 22 – Groundwater seep in Ms. field (sediment diversions installed) (sediment).

A sample location map showing these locations is presented as **Figure 2**. Photographs of the sampled locations are presented in **Appendix B**. Note that PADEP collected a sample from Mr. shallow hand dug well earlier in the day on March 23, 2010 prior to meeting with URS.

Samples were analyzed for:

Water:

- TCL VOC + n-butylbenzene, sec-butylbenzene, n-propylbenzene, and pisopropyltoluene;
- TAL Metals;
- pH, total dissolved solids (TDS), total suspended solids (TSS), chloride, sulfide, and MBAS (surfactants); and
- · Total coliform and fecal coliform.

Soil/sediment samples:

- TCL VOCs + n-butylbenzene, sec-butylbenzene, n-propylbenzene, and pisopropyltoluene;
- TAL Metals; and
- Chloride, sulfide, and MBAS (on the ASTM leachate).

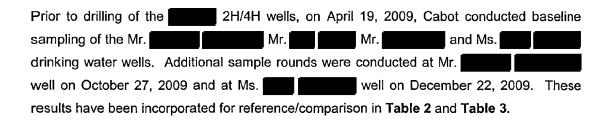
Initial Data Evaluation

Analytical results for samples of surface waters, samples from the shallow hand dug wells, samples from the deep drinking water wells, and samples of off-site soil are summarized in

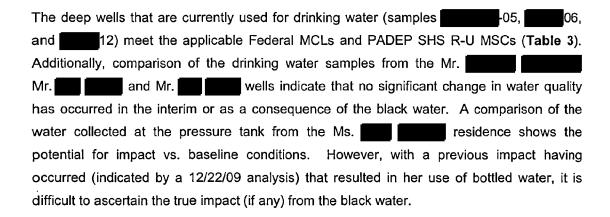
Table 1, Table 2, Table 3, and **Table 4,** respectively. Analytical laboratory reports are presented in **Appendix C.**

On April 9, 2010, URS provided a letter report to PADEP describing the findings of the initial sampling. The following discussion summarizes the results.

Aqueous Samples



The sample of waster from the reserve pit exceeded indicated standards for certain metals, TDS, chloride, and pH. Total coliform and fecal coliform levels were elevated.



Downgradient shallow hand dug well samples (Mr. and Ms. — Table 2) only exhibited elevated levels of total coliform and fecal coliform (and pH slightly below the MSC of 6.5 S.U. at — 04). The water in the pressure tank — 2H-13) that is connected to the shallow hand dug well also exhibited an elevated level for dissolved lead (not collected during the baseline rounds) above the MCL. Consequently, the sample collected directly from the well — 03) does not correlate to the water in the pressure tank. This may be due in part to the timing of the sample collection (URS did not become aware of

the water present in the tank until the following afternoon after the shallow well sample was collected), but the presence of high levels of total and fecal coliform in the shallow hand dug well that are absent in the tank indicate a significant difference.

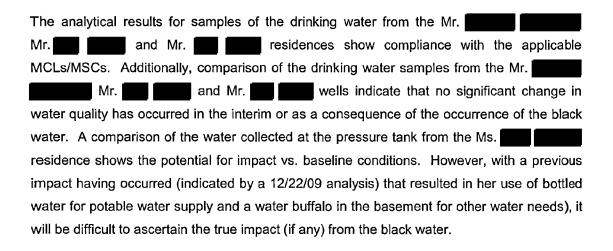
The samples collected from the two sumps along SR 29 and the culvert on the east side of SR 29 had elevated levels of total coliform (Table 1). The upgradient sump location also had elevated levels of fecal coliform while the culvert sample had elevated levels of fecal coliform and exceeded applicable standards for TDS and chloride. The differences between the upgradient and downgradient sumps appear to be influenced by the current/historic runoff in the drainage swale (the upgradient sump was specific to a groundwater seep downgradient of Mr. Shallow hand dug well while the downgradient sump represented a combination of flows into the drainage swale). Additionally, at the time of the sample collection in the culvert, flow to the culvert from the west side of the street had been intercepted by the vac truck and no flow was apparent entering the west side of the culvert. Consequently, flow out of the culvert on the east side indicates contributions from other sources.

The samples collected from the up and downgradient stream locations indicate that the unnamed stream flowing to Burdick Creek was not impacted with the up and downstream sample locations being nearly identical for all parameters. The only standards exceeded were for total and fecal coliform at both locations, likely due to the historic nature of the pasture that drains towards this feature.

Soil Samples

Off-site soil analytical results are summarized in **Table 4**. The sediment/soil sample results were compared to their respective SHS R-U MSCs via the soil to groundwater pathway (25 PA Code Chapter 250). All sample results with the exceptions of those for arsenic in the reserve mud pit sample (100 -02), the upgradient sump (100 2H-10), and groundwater seep downgradient of the Ms. (100 shallow well (100 2H-22) were below their respective SHS R-U MSCs. Background concentrations of arsenic in the area are elevated having concentrations as high as 59 mg/Kg, as documented elsewhere (URS, 2010).

Summary and Conclusions



Additionally, the initial sampling activities conducted following the occurrence of the black water indicate the following:

- No change (from baseline conditions) in Mr.

 and Mr. wells that correlate with the reserve pit chemistry;
- Mr. water water has high copper; however, copper is not present in these levels in the reserve pit;
- Mr. shallow well has low pH; the reserve pit has high pH;
- Ms. Shallow well does not correlate with reserve pit chemistry. She was previously put on supplied water (12/22/09) due to other problems;
- Although Ms. pressure tank sample (unknown date of filling of the pressure tank; reported to be 3/21/10) has high lead as does the reserve pit, other parameters in the dissolved fraction do not correlate well with the reserve pit chemistry it should be noted that lead was not detected at the reporting limit (ND<2.0 ug/L) for the sample of Ms. shallow well collected on 3/23/10 (the source for Ms.
- Likewise, water samples collected from the sumps in the vicinity do not have chemistry that correlates with analytical results for samples of either water or solid samples collected and analyzed from the reserve pit; and
- With the historic use of the land topographically upgradient of the shallow wells being

used as livestock pastures, the total and fecal coliform data at these locations is suspect and cannot be satisfactorily used as a marker.

Overall, the analytical data did not indicate a good correlation between the reserve pit sample and the downgradient samples. Based on the sample results, there appeared to be very little correlation between the materials in the pit and the downgradient locations. As such, a conclusion was made that the black water occurrence was not the result of materials released from the pit.

Site Characterization and Remedial Activities

On April 8, 2010 PADEP issued a Notice of Violation for alleged violations of the Clean Streams Law of Pennsylvania 35 P.S. §691.1 et. seq.; the Oil and Gas Act, 58 P.S. §601.101 et seq.; the Solid Waste Management Act, 35 P.S. §6018.101, et seq (Appendix A).

On April 29, 2010, the PADEP issued an Order (received May 3, 2010) directing Cabot to remove the materials from the Wellsite reserve pit and to perform site characterization related to the impact of the reserve pit on the surrounding area (**Appendix A**).

During the time period from April 30 – May 4, 2010, Cabot removed the residual fluids and drill cuttings from the reserve pit. The fluids were removed using vac trucks and super suckers and transported for treatment (**Appendix D**). The cuttings were removed using excavators and hand labor and loaded to roll-off boxes and disposed off site (**Appendix D**). Sampling of pit materials was conducted on May 1, 2010 during to their removal. The plastic liner and underlying geotextile at the reserve pit was removed to expose the subsurface soils under the liner (**Appendix B** – Photographs). Hay used to protect the geotextile and plastic liner from punctures was observed to be stained in several locations, with the darkest discoloration being observed at 6 locations at the bottom of the reserve pit, 2 locations along the northern wall of the pit, and 4 locations along the southern wall of the reserve pit.

An initial round of sampling of the pit base and walls was performed following removal of the liner and geotextile below the straw sub-base at 12 locations exhibiting the greatest visible staining on May 4, 2010 (Figure 3 - Table 5). Analytes collected included:

- TCL VOCs + n-butylbenzene, sec-butylbenzene, n-propylbenzene, and pisopropyltoluene;
- TCL SVOCs + TICs;
- · TAL Metals: and
- Chloride and MBAS (on the ASTM leachate).

A Work Plan was prepared by URS with input from PADEP to fulfill the requirement of the Order and submitted to the PADEP on May 7, 2010. PADEP comments on the Work Plan were provided via e-mail on May 12, 2010. URS provided responses to the comments on May 13, 2010 on behalf of Cabot and the Work Plan was implemented. The PADEP-approved Work Plan included the following scope of activities:

- Characterization of the source material, namely the liquid and solids portion of the cuttings from the reserve pit;
- Characterization of subsurface materials immediately below the stained hay at the 12 most stained locations identified immediately after mud removal from the pit,
- Confirmational sampling after remediation of stained material from the base and the sides of the reserve pit;
- Characterization of groundwater, drinking water, surface water, and sediments in the vicinity of the wellsite; and
- Installation of bedrock monitoring wells on the well pad to evaluate water table potentiometric surface and groundwater quality in the immediate vicinity of the reserve pit.

Once the liner and geotextile was removed from the reserve pit, and the soil beneath the impacted hay was sampled, remediation of the impacted hay and soil was conducted. After implementation of remedial activities, the locations previously sampled were re-sampled on May 10, 2010 and, at the request of PADEP, a thirteenth sample was collected on May 13, 2010 (Figure 4 - Table 5). Following receipt of the confirmational sample analyses, two locations 2H/4H-7R and 2H/4H-12R from the base of the pit exceeded the SHS R-U MSC for arsenic.

Consequently, URS remobilized to the Wellsite on May 27, 2010 to conduct additional remediation and confirmational sampling in these areas. At the previously sampled location 7, about 1.5 cubic feet of soil was removed by hand from fractures in the bedrock at the base of the pit. After the additional remediation, this location was sampled (2H-CONF-7R2) to evaluate for arsenic concentration in the soil remaining at the location. The results show that residual material has an arsenic concentration of 2.0 mg/kg.

At the previously sampled location 12, about 1 cubic feet of soil was removed by hand from fractures in the bedrock at the base of the pit. After the additional remediation, this location was sampled 2H-CONF-12R2) to evaluate for arsenic concentration in the remaining soil at the location. The results show that residual material has an arsenic concentration of 1.3 mg/kg.

With this additional remediation, all 13 locations demonstrate that concentrations of all constituents of potential concern are below their respective SHS R-U MSCs and, therefore, demonstration of attainment with the SHS R-U MSCs has been accomplished (**Table 5**). All laboratory reports for samples analyzed are provided in **Appendix C**.

A request was made to allow final closure of the reserve pit on June 2, 2010, consistent with the Order. PADEP approved the initiation of final closure on June 4, 2010 and extended the final closure date to June 18, 2010.

A second round of sampling of off site soil, surface water, shallow hand dug wells, and deep drinking water wells at the locations surrounding the Wellsite (consistent with the initial sampling performed during March 23 through March 25, 2010, above) was conducted on May 6 and 7, 2010. Samples were analyzed for:

Water:

- TCL VOCs + n-butylbenzene, sec-butylbenzene, n-propylbenzene, and pisopropyltoluene;
- TAL Metals;
- pH, TDS, TSS, chloride, sulfide, and MBAS (surfactants); and

24

CABOT-EPA 006261

Total coliform, fecal coliform, and fecal strep.

Soil:

- TCL VOCs + n-butylbenzene, sec-butylbenzene, n-propylbenzene, and pisopropyltoluene;
- · TAL Metals; and
- Chloride, sulfide, and MBAS (on the ASTM leachate).

During the second round of sampling, the groundwater seep downgradient of the shallow well on Ms. property did not have sufficient water for sampling, therefore, only a sediment sample could be collected. Additionally, while a sample was collected as a pit water sample on May 1, 2010, the high level of solids present necessitated laboratory analysis as a solid. Furthermore, in addition to the sediment collected from the area of overland flow between the shallow hand dug well on Mr. property and the upgradient sump; sediment was collected from the sump during this round. No overland flow was present between the shallow hand dug well and the sump during this event.

The results for the pit and soil samples were compared to their respective Act 2 Statewide Health Standard SHS R-U MSCs, or direct contact level MSC (whichever is more stringent) under 25 PA Code Chapter 250 (Table 4). Analytical results for samples from the deep drinking water wells and the shallow hand dug wells were compared to their applicable MCLs and SHS R-U MSCs (Table 2 and Table 3). Additionally, groundwater seep and creek samples were compared to applicable surface water quality criteria per 25 PA Code Chapters 16 and 93 (Table 1).

A subsurface investigation was conducted in the vicinity of the reserve pit on the well pad to help formulate the CSM. As described in the approved Work Plan, an attempt was made to install four bedrock monitoring wells on the well pad to evaluate the water table potentiometric surface and groundwater quality in the immediate vicinity of the reserve pit. On May 17 through 20, 2010, three monitoring wells MW-1, MW-2, and MW-4 were installed (Figure 2) in the northwest, northeast and southwest corners of the well pad, respectively. Additionally, two soil borings were advanced to 100 ft-bgs in the southeast corner of the

wellpad in an attempt to intercept the water bearing unit in this area. The boreholes encountered only damp areas (no saturated fractures or layers). The boreholes were advanced to 100 ft. bgs and allowed to stay open overnight. No groundwater was present in the open borehole after being open overnight. As no groundwater was encountered, with the concurrence of PADEP, the borings were abandoned and no well was installed at this location. Following completion, wells were surveyed to allow groundwater levels to be measured to the nearest 0.01 foot mean sea level (ft-msl).

Boring logs and well completion diagrams are presented in Appendix E.

On May 20, 2010 following monitoring well development, an initial round of groundwater samples was collected from the three on-site groundwater monitoring wells and analyzed for the following parameters:

- TCL VOCs + n-butylbenzene, sec-butylbenzene, n-propylbenzene, and pisopropyltoluene;
- TCL SVOCs + TICs;
- TAL Metals;
- pH, TDS, TSS, chloride, sulfide, and MBAS (surfactants); and
- · Total coliform, fecal coliform, and fecal strep.

Additional parameters, including TPH, acidity, alkalinity, nitrogen (ammonia), ethylene glycol, and oil and grease were evaluated to allow a better understanding of site conditions. Analytical results for water samples were compared to their applicable Federal Drinking Water MCLs and SHS R-U MSCs (**Table 6**). All values were below their respective standards with the exception of bis(2-ethylhexyl)phthalate (a suspected laboratory contaminant) at MW-2. Total and fecal coliform and fecal strep were also present at these locations. A second round of groundwater samples was collected on June 3, 2010. Similarly, all sample results for regulated COPCs were below their respective SHS R-U MSCs. Note that for total coliform, levels were present above the MCLG of zero; however, insufficient samples were collected to allow direct comparison to the MCLG criteria of no

more than 5.0% samples total coliform-positive in a month. Analytical results for these samples are summarized in **Table 6**.

Groundwater levels were measured at the monitoring wells, surrounding hand dug wells, and surface water features (i.e., ponds) (Table 7). These data and data from the boring logs were used to develop cross sections depicting subsurface conditions and the Conceptual Site Model (Section 6.0). Locations of the cross sections developed are depicted in Figure 5. Cross section A - A' is presented in Figure 6 and cross section B - B' is presented in Figure 7.

Water level data were used to construct a potentiometric surface that was contoured for the initial and subsequent groundwater sampling event. Based on the observed water levels, the groundwater potentiometric surface generally follows the topographical surface trending to the southeast across the well pad; however, flow is constrained to the west-east fracture system in shallow bedrock and, once groundwater enters the till material in the valley, flow becomes governed predominantly by the potentiometric surface. Groundwater eventually discharges at the observed springs, groundwater seeps, and surface water features, and is observed in the shallow hand dug wells. Note that the predominant bedrock fracture traces in this area are east to west and therefore the majority of groundwater flow would be expected to flow along these pathways until groundwater encounters till in the valleys. Groundwater elevation data is presented in Table 7 and potentiometric surface maps for the May 20, 2010 and June 3, 2010 events are presented on Figure 8 and Figure 9, respectively.

The extent of the impact from the reserve pit materials released was determined and a remedial design implemented.

Two phases of remediation of soil were conducted over the time period from April 30, 2010 to May 27, 2010 to remove impacts from the reserve pit to the surrounding soils. Approximately 1,500 yds³ of potentially impacted drill cuttings and soil has been removed from the pit and surrounding soils. Additionally, water has been removed from the shallow hand dug well and sumps along SR29 continuously since the occurrence on March 21, 2010. More than 1 million gallons of potentially impacted surface and groundwater has been recovered from the reserve pit and sumps along SR29 and properly disposed.

To assist in the interpretation of analytical data, graphical star diagrams comparing the analytical results for selected constituents of the samples from the reserve pit and sample results for downgradient locations (including surface water, soils, shallow groundwater, and deep drinking water wells) were prepared to compare and interpret the results (Figure 10A, Figure 10B, and Figure 10C).

The shape of the polygon formed by plotting the analytical results presents a "fingerprint" characteristic of the sampled location. Samples having a common source will have a similar (if not identical) polygon fingerprint. For an upgradient and a downgradient sampled location having the same source of constituents, the fingerprint of the downgradient location may be modified by natural attenuation of selected constituents, based on their fate and transport during epigenetic dispersion; however, the general shape of the polygon fingerprint will be similar to its source.

Figure 10A illustrates the polygon fingerprints representing analytical results for selected metals, pH, and chloride in water samples collected over the time period from April 2009 (pre-drill analytical results) to March 25, 2010, and includes the time period of occurrence of black water downgradient of the Wellsite. The polygon fingerprint of water from the reserve pit on the Wellsite is indicated in the upper, left hand corner, with polygon fingerprints of sampled locations being illustrated in order of downgradient occurrence. fingerprints of downgradient sampled locations have no similarity to the polygon fingerprint of the sampled water in the reserve pit. The water from the reserve pit contains relatively higher vanadium, sodium, potassium, nickel, molybdenum, lead, iron, chromium, boron, arsenic, and antimony than do downgradient sources. If these locations were to be impacted by water from the reserve pit, constituents would first have to migrate primarily through fractures in the underlying bedrock and then through the till in the valley, where natural attenuation and retardation would be expected to be higher. Under these conditions, natural attenuation and retardation of constituents would be anticipated to be minimal, and the polygon fingerprints would be similar in shape to the polygon fingerprint of the sample from the reserve pit water. Therefore, reserve pit water has had little, if any, impact to downgradient groundwater. Any impacts to groundwater that may have occurred have attenuated and are de minimis.

Figure 10B illustrates the polygon fingerprints representing analytical results for selected metals and chloride in water samples collected in May 2010, representing the time period about 1½ months after the occurrence of black water downgradient of the Wellsite. The polygon fingerprint of water from the reserve pit on the Wellsite is indicated in the upper, left hand corner, with polygon fingerprints of sampled locations (second round of characterization sampling) being illustrated in order of downgradient occurrence. The polygon fingerprints of downgradient sampled locations have no similarity to the polygon fingerprint of the sampled water in the reserve pit. The water from the reserve pit contains relatively higher vanadium, potassium, nickel, chromium, barium, boron, arsenic, antimony, aluminum, and chloride than do downgradient sources. If these locations were to be impacted by water from the reserve pit, constituents would first have to migrate primarily through fractures in the underlying bedrock and then through the till in the valley, where natural attenuation and retardation would be expected to be higher. Under these conditions, natural attenuation and retardation of constituents would be anticipated to be minimal, and the polygon fingerprints would be similar in shape to the polygon fingerprint of the sample from the reserve pit water. Therefore, reserve pit water has had little, if any, impact to downgradient groundwater. Any impacts to groundwater that may have occurred have attenuated and are de minimis. The data demonstrate that at the time of the second round of sampling, all downgradient water (surface water, shallow groundwater from hand dug wells, and deep drinking water wells) meet all requirements for attainment of Act 2 SHS R-U MSCs and surface water quality criteria; and therefore, meet the requirements for Relief from Further Remediation Liability Protection under Act 2.

Figure 10C illustrates the polygon fingerprints representing analytical results for selected metals and pH in water samples from groundwater monitoring wells installed on the well pad collected on May 20, 2010 and June 3, 2010, representing the time period about 2 - 2½ months after the occurrence of black water downgradient of the Wellsite, after removal of all materials from the reserve pit, and after remediation of impacted hay and soils below the liner and geotextile of the reserve pit. The polygon fingerprint of water from the reserve pit on the Wellsite is indicated in the upper, left hand corner, with polygon fingerprints of sampled monitoring well locations (both first and second round of characterization sampling) being illustrated in order of downgradient occurrence. The polygon fingerprints of downgradient sampled locations have no similarity to the polygon fingerprint of the sampled water in the reserve pit. The water from the reserve pit contains relatively higher vanadium,

potassium, nickel, lead, iron, chromium, arsenic, antimony, aluminum, chloride, and a higher pH than do both upgradient and downgradient monitoring well samples. Groundwater samples from both the upgradient monitoring well (MW-1), the downgradient monitoring well (MW-2), and the downgradient/side gradient monitoring well (MW-4) are similar to one another (virtually identical) and contain higher concentrations of calcium and magnesium than did the water from the reserve pit. If these monitoring wells were to be impacted by water from the reserve pit, constituents would first have to migrate through fractures in the underlying bedrock and then through the till in the valley, where natural attenuation and retardation would be expected to be higher. Under these conditions, natural attenuation and retardation of constituents would be anticipated to be minimal, and the polygon fingerprints would be similar in shape to the polygon fingerprint of the sample from the reserve pit water. Therefore, reserve pit water has had little, if any, impact to groundwater in the vicinity of the reserve pit. Any impacts to groundwater that may have occurred have attenuated and are de minimis. The data demonstrate that all groundwater in the vicinity of the reserve pit meet all requirements for attainment of Act 2 SHS R-U MSCs and, therefore, meet the requirements for Relief from Further Remediation Liability Protection under Act 2.

6.0 CONCEPTUAL SITE MODEL AND FATE AND TRANSPORT ANALYSIS

Based on water table elevation data collected during Remedial Investigation/Site Characterization activities, the groundwater potentiometric surface generally follows the topographical surface trending to the south-southeast across the well pad; however, groundwater (and constituent transport) is constrained to the west-east fracture system in shallow bedrock. Only minor natural attenuation and constituent retardation is anticipated in during flow through the bedrock fracture system. Once groundwater enters the till material in the valley, flow becomes governed predominantly by the potentiometric surface and natural attenuation and retardation of constituents would be anticipated to be higher than that occurring in the bedrock fracture flow. Groundwater eventually discharges at springs, groundwater seeps, and surface water features. Groundwater is observed in the shallow hand dug wells in the vicinity of the Wellsite. Groundwater elevation data are presented in Table 7 and potentiometric surface maps for the May 20, 2010 and June 3, 2010 events are presented on Figure 8 and Figure 9, respectively.

If a release occurred from the reserve pit, the release of material from the reserve pit would have to migrate vertically 15 to 20 feet to groundwater below the pit (based on water levels observed in monitoring wells - **Figure 6**). The release would then migrate with groundwater flow along bedrock fractures (west to east in the vicinity of the reserve pit) where minimal attenuation and retardation is anticipated. When the release (in groundwater) begins to migrate through till in the valley below the elevated Wellsite, flow direction would be governed by the potentiometric surface and minor natural attenuation and retardation of constituents would be anticipated. The release (in groundwater) would then extend to downgradient exposure points (e.g. groundwater seeps and shallow hand dug wells).

Downgradient features from the Wellsite well pad and reserve pit include the shallow hand dug well on Mr. property and shallow hand dug wells belonging to Ms. and Mr. Other features downgradient of the wellpad include a groundwater seep to the southwest of the wellpad and a pond south of SR3010. A survey of the areas surrounding the wellpad did not indicate occurrence of black water except at Mr. and Ms. shallow, hand dug wells. The immediate discharge points from these features (i.e., the drainage swale along SR29, the drainage culvert and field east of SR29, and the groundwater seep downgradient of Ms. shallow shallow

well) also exhibited blackwater impact. However, the ultimate discharge point from Mr. well is the tributary to Burdick Creek and no visible signs of impact were apparent in the stream. As discussed previously, an evaluation of the groundwater chemistry did not reveal any correlation between the materials present in the pit and the points sampled, including groundwater seeps, shallow groundwater in hand dug wells, and surface water occurrences.

Following the removal of the pit materials, the liner was evaluated revealing the presence of perforations or tears confined to predominantly the eastern and western extents of the pit as shown on **Figure 3**. Following the removal of the liner visible impact was observed in the straw and soils beneath the liner, predominantly in the areas where the perforations were present and along the sides in the vicinity where the discharge pipes from the well cellars entered the pit. These materials were removed as part of the remedial activities and no impacted materials remain in the subsurface following the final closure of the pit.

Potential impacts to groundwater beneath the well pad that flows to the shallow wells/groundwater seeps were not observed during the groundwater sampling events conducted at the well pad. Potential impacts either no longer exist due to natural attenuation of material released or were not present in the water bearing zone.

Deep drinking water wells in the vicinity of the Wellsite appear to be un-impacted by the black water occurrence. No observed differences were apparent between pre-black water occurrence analytical data and data collected post- black water occurrence during the site characterization activities. All values meet the SHS R-U MSCs and applicable drinking water standards.

The potential source materials have been removed and remaining impacts in the subsurface (if any) are *de minimis* and meet the requirements for demonstration of attainment with the SHS R-U MSC for both soils and groundwater in the vicinity of the reserve pit (**Section 9.0**). Material that may potentially have been released from the pit, if any, has been recovered in water during the continuous vac truck removal activities that have been performed. No additional black water occurrence has been observed since the initial appearance on March 21, 2010.

7.0 ECOLOGICAL SCREENING ASSESSMENT

In accordance with 25 PA Code §250.311 and the PADEP TGM (2002), an evaluation of potential impact to ecological receptors from Wellsite conditions was completed utilizing the Ecological Screening Process. No additional evaluation was conducted since the following criterion was met at the Wellsite:

 The area of soil having residual impacts is less than 2 acres and the area of sediments having residual impacts is less than 1,000 square feet. (25 PA Code §250.311(b)(2)).

Therefore, no additional evaluation is required.

8.0 SELECTION OF REMEDIATION STANDARDS

Based on the findings of the Remedial Investigation/Site Characterization and remediation activities performed as described above, Cabot has elected to seek Relief From Further Remediation Liability Protection under Act 2 (25 PA Code Chapter 250) by demonstrating attainment of the SHS R-U MSCs for all COPCs for all media of concern.

9.0 ATTAINMENT DEMONSTRATION

This section presents the attainment demonstration of SHS R-U MSCs for all COPCs in potentially impacted media sampled and analyzed after completion of remediation.

9.1 SOIL

After two phases of remediation, approximately 1,500 yds³ of drilling mud and subsurface soil was removed and properly disposed off-site. Twelve pre-remediation and 13 post remediation locations for confirmatory sampling of soil were selected with the concurrence of PADEP. Confirmational soil samples were collected from the base and sidewalls of the pit where staining was observed to be heaviest, in accordance with the sampling protocol approved by PADEP. The confirmational sampling (representing residual, in place material), meets the requirement of 12 samples as described under 25 Pa. Code Chapter 250.703(d)(2) when greater than 125 cubic yards (but less than 3,000-cubic yards) of soil is removed and complied with the sampling identified in the Work Plan approved by PADEP.

Based on confirmational soil sampling results for samples below the reserve pit on the well pad, soil impacts have been delineated both vertically and horizontally at the Wellsite. Soil sample results are provided on **Table 5.** All samples meet the SHS R-U MSCs for all COPCs.

Off-site soil samples were collected during the initial response and Remedial Investigation/Site Characterization activities from the area adjacent to the shallow hand dug well on Mr. property, associated drainage features, the groundwater seep downgradient of the shallow hand dug well on Ms. property, and up and downgradient stream points in the unnamed tributary to Burdick Creek. All COPCs meet their respective SHS R-U MSCs in the samples collected except for arsenic in the sediment collected between the shallow well and the upgradient sump, at the groundwater seep location downgradient of Ms. shallow, hand dug well, and at both the up and downgradient stream locations at nearly identical concentrations (indicating that this is unrelated to the black water). Background concentrations of arsenic in the area are

elevated, having concentrations as high as 59 mg/Kg, as documented elsewhere (URS, 2010).

9.2 GROUNDWATER

As part of the Remedial Investigation/Site Characterization activities, three groundwater monitoring wells were installed on the wellpad in accordance with the approved Work Plan. Additionally, groundwater samples were collected from the groundwater monitoring wells, downgradient shallow hand dug wells, and downgradient deep drinking water wells during the initial response and Remedial Investigation/Site Characterization activities, in accordance with the approved Work Plan. As indicated in **Table 6**, two rounds of groundwater data were collected from the monitoring wells on May 20, 2010 and June 3, 2010. Additionally, two rounds of groundwater from the shallow, hand dug wells and deep drinking water wells were collected during the periods from March 23 through 25, 2010 and May 5 and 6, 2010. A third groundwater sample was also collected from the shallow hand dug well on Mr.

As discussed above, the water from the reserve pit has a distinctly different chemistry than the samples from the groundwater monitoring wells in the vicinity of the former reserve pit, groundwater samples from the shallow, hand dug wells, and deep drinking water wells. Regardless, all COPCs for regulated constituents in groundwater were below the SHS R-U MSCs. Note that bis(2-ethylhexyl)phthalate was detected slightly above its SHS R-U MSC; however, as discussed above, this is a common laboratory contaminant and this constituent is not a COPC because this compound was not identified in the reserve pit material. Groundwater sample results are provided in **Table 2, Table 3,** and **Table 6.**

9.3 SURFACE WATER

Potentially impacted surface water in the area (i.e., the unnamed tributary to Burdick Creek) is not considered to be a medium of concern as no data suggest impacts to the tributary. However, during the initial response and site characterization activities, shallow, hand dug wells, associated drainage features, and up and downgradient stream points were sampled. The initial sampling round was conducted during the period from March 23 through 25, 2010. The second sampling round was conducted consistent with the initial event in accordance

with the approved Work Plan. All COPCs for regulated constituents were below the SHS R-U MSCs. Note that manganese was detected above its SHS R-U MSCs at the downgradient sump on Mr. property, at the storm culvert east of SR29 and at the up-gradient stream location. Additionally, thallium was detected above the SHS R-U MSC (but below the laboratory RL) at Mr. shallow, hand dug well. However, as discussed above, manganese was an order of magnitude lower in the reserve pit and thallium was not detected in the groundwater wells installed on the well pad (the RL for thallium in the original sampling event for the reserve pit was above the SHS R-U MSC). Other items:

- Lead was detected during the first sampling round at Ms. pressure tank; however, lead was not detected at the reporting limit [ND (2.0) ug/L] for her shallow, hand dug well that supplies the pressure tank.
- TDS and chloride were above their MSCs at the storm culvert east of SR29; however, these data are likely influenced by roadway runoff.
- pH was below the MSC at the shallow, hand dug well on Mr.
 property; however, since water from the reserve pit had a high pH, the low pH observed at Mr.
 well is not a function of impact by fluid from the reserve pit (pH is not a COPC).

All concentrations were below their respective SHS R-U MSCs during the second round of Site Characterization sampling. Surface water sample results are provided in **Table 1**.

Reserve pit water exceeded the SHS R-U MSCs for aluminum, antimony, arsenic, barium, iron and lead, pH, TDS, and chloride (**Table 1**); however, this water was removed during the reserve pit closure activities and properly disposed and is not, therefore, a medium of concern.

9.4 VAPOR INTRUSION

The potential effect of volatilization to indoor air quality (IAQ) was assessed using Pennsylvania's Vapor Intrusion into Buildings from Groundwater and Soil under Pennsylvania (PA) Act 2 Statewide Health Standard (SHS) Guidance (January 2004). Based on data obtained during confirmation sampling in the area of the former reserve pit and the off site areas sampled, concentrations of detected COPCs in soil and groundwater are below

June 2010 Revision 0

the screening levels presented in **Table 4** (residential) of the Guidance (PADEP, 2004). As such, the soil meets the vapor intrusion screening criteria for residential standards and therefore, meets the attainment demonstration requirements for the SHS R-U MSCs.

9.5 POST REMEDIATION CARE PLAN

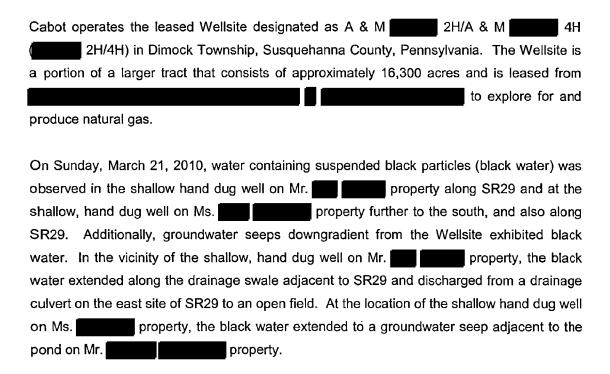
No Post Remediation Care is required to attain, nor maintain attainment with the SHS R-U MSCs.

June 2010 Revision 0

10.0 ENVIRONMENTAL COVENANT

An Environmental Covenant is not required for this Site.

11.0 CONCLUSIONS



Cabot received an NOV from PADEP as a result of the black water occurrence and received an Order to perform removal of reserve pit materials and conduct site characterization and remediation to attain cleanup standards according to Act 2 requirements.

Two sampling rounds were conducted at groundwater seeps, shallow hand dug wells, and deep drinking water wells immediately downgradient of the Wellsite. All COPCs for regulated constituents were below the SHS R-U MSCs, except as follows:

- Manganese was detected above its SHS R-U MSCs at the downgradient sump on the Mr. property, at the storm culvert east of SR29 and at the up-gradient stream location;
- Thallium was detected above the MSC (but below the laboratory RL) at the Mr. shallow well;
- Lead was detected during the first sampling round at the Ms.

- TDS and chloride were above their respective MSCs at the storm culvert east of SR29 (surface water);
- pH was below the MSC at the shallow hand dug well on the Mr.

However, manganese was an order of magnitude lower in the reserve pit and thallium was not detected in the groundwater wells installed on the well pad (the RL for thallium in the original sampling event for the reserve pit was above the SHS R-U MSC). All concentrations were below their respective SHS R-U MSCs during the second round of Remedial Investigation/Site Characterization sampling. As water from the reserve pit had a high pH, the low pH observed at the Mr. well is not a function of impact by fluid from the reserve pit; therefore, pH is not a COPC.

Reserve pit water exceeded the SHS R-U MSCs for aluminum, antimony, arsenic, barium, iron and lead, pH, TDS and chloride (**Table 1**); however, this water was removed during the reserve pit closure activities and properly disposed and is therefore not a medium of concern. Evaluation of the groundwater and surface water chemistry did not indicate a correlation between the materials in the reserve pit and the black water observed in the nearby hand dug wells, groundwater seeps, nor surface water locations. All deep drinking water wells were found to meet applicable drinking water standards. Water present in Ms. pressure tank contained lead; however, lead was not detected at the reporting limit [ND (2.0) ug/L – below the SHS R-U MSC] in the shallow hand dug well on the Ms. property that supplies water to the pressure tank. Due to a previous impact, she was receiving bottled water for potable use and maintained a water buffalo in the basement for other water needs.

During the period from April 30, 2010 though May 4, 2010 the reserve pit materials were removed and the liner cleaned. Approximately 1,500 yds³ of drilling material and subsurface soil has been removed from the reserve pit and properly disposed. An inspection of the liner revealed a series of perforations primarily in the eastern and western ends. Following removal of the liner and underling geotextile, staining of the underlying straw and subsurface soils was evident. Remediation of the stained hay and soils immediately below the stained hay was implemented and confirmational sampling demonstrated attainment with the SHS R-U MSCs for all regulated COPCs.

A subsurface investigation and sample collection was conducted near the reserve pit on the well pad to help formulate the Conceptual Site Model. Three monitoring wells were installed on the Wellsite to evaluate subsurface conditions. The borings on the well pad showed that subsurface materials generally consisted of between 8 to 18 ft of unconsolidated fill (well pad materials) and decomposed sandstone overlying fractured sandstone bedrock. The potentiometric groundwater surface showed that the potentiometric surface generally followed the overlying topography with groundwater flow anticipated to be controlled by fractures in bedrock in the area that trend west to east. These fractures are expected to be the primary flow pathways in the subsurface in the immediate vicinity of the reserve pit.

Two rounds of groundwater data were collected from the monitoring wells installed on the well pad in the immediate vicinity of the reserve pit. In both rounds of sampling, all groundwater results were below their respective SHS R-U MSCs for all regulated compounds with the exception of bis(2-ethylhexyl)phthalate at MW-2 during the May 20, 2010 event. However, as this compound was not present in the pit material samples and is a common laboratory contaminant, it is not a COPC for the Site.

Over 1 million gallons of potentially impacted groundwater were recovered from the two sumps installed within the drainage swale along SR29 since the initial discovery of the black water on March 21, 2010 and has captured groundwater emanating from the groundwater seep downgradient of the shallow hand dug well on Mr. property. As a result, no further migration to the downgradient tributary to Burdick Creek has occurred since this time. Recovery continues to be conducted at the downgradient sump location pending PADEP approval to discontinue this activity.

Based on soil sampling results, soil impact associated with the reserve pit has been delineated both vertically and horizontally at the Wellsite. As shown by the sampling conducted at the monitoring wells, groundwater below the well pad is not impacted. Based on the evaluation of the chemistry of the downgradient shallow wells and groundwater seeps and consistent with the Site Conceptual Model, the black water occurrence in the shallow wells and groundwater seeps is not related to the materials that were present in the reserve pit. Based on the presence of coliform identified in the area (residual impacts from historic agricultural use), shallow wells, groundwater seeps and the water from the stream should not

June 2010 Revision 0

be used as a drinking water source. All deep drinking water wells evaluated were free of coliform and met federal and state drinking water standards.

The selected remediation standard for demonstration of attainment is the SHS R-U MSCs for all COPCs as specified in 25 PA Code Chapter 250.

The following analytes were detected at the Wellsite and are considered to be COPCs:

Soil:

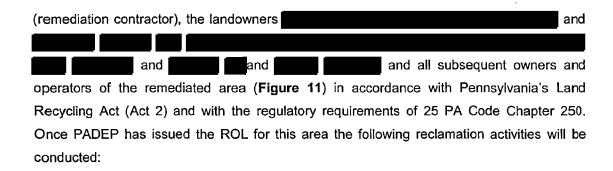
- VOCs: n-butylbenzene, sec-butylbenzene, ethylbenzene, isopropylbenzene (cumene), p-isopropyltoluene, naphthalene, n-propylbenzene, toluene, 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, and total xylenes;
- SVOCs: none;
- Metals: aluminum, antimony, arsenic, barium, beryllium, boron, calcium, chromium, cobalt, copper, iron, lead, magnesium, molybdenum, nickel, potassium, silver, vanadium, and zinc.
- Nitrogen (as ammonia).

Groundwater and Surface Water:

- VOCs: bromomethane;
- SVOCs: none;
- Metals: aluminum, antimony, arsenic, barium, boron, calcium, chromium, copper, iron, lead, magnesium, molybdenum, nickel, potassium, sodium, vanadium, zinc; and
- Chloride.

Acetone, 2-butanone (MEK), carbon disulfide, and bis(2-ethylhexyl)phthalate, while detected in certain samples are considered to be laboratory contaminants, and, therefore not COPCs. In addition, although manganese and thallium were detected in surface and/or groundwater, they are not considered to be COPCs. Surfactants and chloride do not have MSCs under Act 2.

Cabot is requesting Relief from Further Remediation Liability Protection (ROL) for identified COPCs regulated under Act 2 for the drilling mud release from the PADEP for Cabot, GDS



- Water recovery from the sump along SR 29 will be discontinued;
- The downgradient sump will be reclaimed and the function of the drainage swale along SR29 restored;
- Upon receipt of an ROL for soil and groundwater from the PADEP, Cabot will properly decommission the three monitoring wells installed on the well pad (MW-1, MW-2, and MW-4. The wells will be decommissioned according to PADEP Land Recycling Program Technical Guidance Manual, Section V, Attachment F dated June 2002 (as updated) and the Groundwater Monitoring Guidance Manual, Chapter 7 Well Abandonment Procedures, Section 7.4 Material and Methods, Subsection 7.4.2 Sealants, dated December 1, 2001.

12.0 REFERENCES

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CABOT-EPA 006284

TABLES

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CABOT-EPA 006285

Table 1 Analytical Results Surface Water Sample Summary All Sampling Rounds 2744H Wellistte

		When you							urface Water							SHS	MSC	
Location		Reserve Pit. Water	SR 29 Unor	radient Sump	SR	29 Downgradient	Sump	Storm Culver	East of SR 29	Hooradient 9	tream Location ²	Downoradien	t Stream Location	Seen Downgradient	MSC ¹	Surface	Water Quality (iriteria*
	UNITS	TTMO.	On the opy	month ounit	J.		San in the	Storm Curti	CHE OF CHILLY	mbilit annual a	mean Location	DOWNIGRAUIEN	Stream Location		Residential	Fish and	Fish and	Human
ample I.D.	- Walter	-01	96-11	Sump	2H-08	ZH/4H- SUMP	Sump	H-19	SR29E- CUL	26-14	Upatream	2H-16	Downstream	2H-21	Used Aquifer TOS ≤2508	Aquatic Life Criteria - Chronic	Aquatic Life Criteria - Acute	Health
ample Date		3/23/2010	3/24/2010	5/6/2010	3/24/2010	5/1/2010	5/5/2010	3/25/2010	5/6/2010	3/25/2010	5/6/2010	3/25/2010	546/2010	3/25/2010				
210/7471 Metals Analyses		S 1777 1		Name of Street				-										
luminum Total	ugt.	46,600	2,400	10,550	980	2.530	11,500	500	2,380	10021500.01	1967-150,00	167150.01	91.9	3,600			-	-
ntkriony, Total	upt	61	16115.01	100 pt cz	140327	100 (0.0)	14015.5	682119755	HO MICE	体头员	F(0)(\$28)	161,131	1907/01/05	2457 (fi.th)			*	
rsenic, Total	Ugs.	130	5.1	12.6	AD SS(S)	.18:	19.6	TENNO.	7.6	- AHE (3:11)	PELONE.	40.0.0.0	TWEET IS	PHI Steel	4	747		1.2
anum Total	Ugl	B.700	760	535	230	558	725	110	170	37	29.8	37	30.8	1,800		72		
seryllium, Total	uşt.	40	+10:11/s	1/07/17:55	186013 8100	10771710	19(1)110	18371.50	SELLER	HC11Hr	HEALTH IN	14(233.10)	FIX.1.15 (in:	46733.50				
loton, Total	ugt.	190	127(10:7)	ROBERO	SEPSIE	90/10015	54.4	H01000	10219031	おこれに	340 (7010)	PROLITERA	1903 (00 ii)	783 (14) (2	+		+	- *
ladmeum, Total	ugt	47	36113.50	100 (110)	740(1)(9)	933(159)	3(0)156	MEDICAL	1973/197	10(1)(1)(1)	1800 (190)	NEO 1-8	461,046	190,3139	+		4	
calcium, Tetal	ugit	72200	14,200	17,300	18,600	21,900	36,700	39,600	33,200	22,600	27,200	22,200	27,200	31,400	+		+	-
hromum Total	ugl.	140	32775-01	16.0	NOSSE	10115.31	13.2	ARTESST	MR COLUM	TROPE	- NO.1159	1610524	700 (8.6)	5.1		4		
obait Total	ug/L	40		91	NO REGIS	10.00	13.9	1600119-09-	20,175.41	1977 (1) (1)	100 (6.6)	MS出計	-NO3111	Attention	-		-	- 4
opper, Total	ug/L	310	50,7535	32.8	2000	77	23.9	1001010	160 (61)	一种以此为	783/547	95 (5.1)	400-01-01	13	4			
ron, Total	Ug/L	65,800	1,700	19,500	890	4,230	19,500	560	2,990	180	309	140	356	3,500	-		*	
ead, Total	ug/L	1,300	4.8	58.5	HP LO	3.6	29.6	142 (1)	32	MITCH ST	THE LETTER OF	BUILE	10113	21			4.	4-
Asgnesium, Total	ug/L	10000	3,000	6,040	5,300	4,490	8,670	6,500	7,160	4,800	5,370	4,800	5,610	4,600	-			
fanganese, Total	ug/L	2,000	39	966	210	310	4,840	85	741	44	485	53	204	240	-			
folybolenum, Total	ug/L	280	1917/1905/	15,125,17	DESCRIPTION OF	THE PARTY.	107.101.75	700 (700)	10.055	190 1707	740 120701	THURSDAY	7850.00	101,041 (2)				- 10
lickel, Yotal	ugit	180	W-94W	152	761418.01	H-1172 DI	18.4	HO TOUT	251172.04	HETTTER	METORI	THE HERM	1101.1531					le.
otassum, Total	ug/L	28.700	3,000	4,590	9,700	6.160	9,950	4,300	3,850	4,400	874	4,600	1,460	3,100				- 2
elenium, Total	ug/L	66 25	485 1775	THEFT	140 (E.Q.	May 17 (2)	1611251	1403 (13.10)	302-1-52	100 11 22	750,000		1634	7613 (3:2)	4			
Silver, Total lodium, Total	ug/L	216,000	20.000	7.040	-1907/190	102.03.00	44.000	001 840	2011.00	200 000	122 (1.5)	NO.IT III	27.466	100.000	-	-	4:	-
	ug/L	216,000	14,600	7,040	14,500	17,600	65,800	221,000	82,700	80,000	74,700	77,600	74,100	103,000			-	
hallum, Yotal	ugt.	18711	MICT TRACKS	STABLE	HOWEL	121111	- REP-(5)(3)	Militaria	102 (10.0)	15117	3623 6175	PER HITTO	107 (41) 25	DE LINE		*	2.	-
/anadium, Total	ug/L	200	53	14.8	- RESIDE	16,7,15 77	15.1	150333 E-	1977 (1991)	3003510	*51,12.6c	462 (0.10)	10.55	6.0		4	- 4	
inc, Total	ugit	530	162 (12.16)	106	13	48.8	162	13	28.6	MITTER	101941-025	Western	1551510	20		+		4
Morcury, Total 5010/7471 Metals-Analyses	ug/L	2.5	Mid-barrier	COLUMN TO A STATE OF	- NEAST-11	19,342,323	14,177,274	Employed .	19,1221	16,7-2-2-7	100,000,000	14,111,111	Phil Dryllia	The World	-	-		
		1 100	1 (1)	-	remarks in		127-10-72	_	_	Intitation I	_		_	_	-	100		
Vurnnum Dissolved	ug/L	1,100	140	18375.6	MOSTILE.	D2 10 10	107/5/5	16/12019	150 (50-5)	10111030	46,4515	100 OF 16	45.	85	200	NS*	750	NS
Intimony, Dissolved Visenic, Dissolved	ugt.	78	7911711	1000	156213-LD	10,510.00	- PKI (Suite	53	PROCESS .	181111	10,00	190000	no.s.m	2407255	10	150	1100	5.6
Ranum, Dissolved	ugt	3,100	320	75.7	110	47	85.9	103	71.4	-44	28.3	41	25.8	420	2.000	4100	21000	2400
Beryllium, Dissolved	ugit.	3,100	320	(5.)	110	91	80.9	63	(1.4	-64	20.3	41	20.8	420	4	NS	NS	NS.
Boron, Dissolved	ugit	120	1100 1100	11/1/25	10011-0		56.9	750 100	CT-CC-	15711111	ANTINE	- 110		10.4111	600	1600	8100	310
Cedmum, Dissolved	ug/L	120	410 (317)	1447 3.4276	LEAD TO SECURE	Dept (DCD)	30.9	70000	WILLIAM	1000	Photo Side State	2011/2011	100200	150,000	5	0.25	2.0	NS
Calcium, Dissolved	ug/L	18.400	13,600	14,400	19,100	20,500	31,400	36,600	32,300	22,000	25,500	22,100	24 200	28.700	NS	NS	NS NS	NS NS
Promium Dissolved	ug/L	82	10,000	-4,400	-2,100	20,000	4,400	30,000	34,300	-22,000	20,000	-22,100	24.200	20,700	100	74	570	NS.
Tobalt Dissolved	ugit		200000	10000	1/07/19/0	100 100	11074 00	195 (5.5)	1877 75 15	10110.0	207723	191,000	107.00 Mg	100.00	730	15	95	NS
Copper Dissolved	Jugit.	12	10,175	20107	327112	107.17	7.8	12011	67	100.00	125 (5.3)	3/5-7117	United States	101.75.10	1,000	9.0	13	NS
ron, Dissolved	ugh	1,000	82	12 2017	94	118	208	1-621/2010	88.8	BUCK S	128	140	105	795.1 (1916)	300	1590	1500	300
ead, Dissolved	ug/L	49	2011240	100 (2.30	SHISTER .	1671570	2.6	0217234	21	22	2.8	1013	100	2.2	5	2.5	65	N5
Agnesium, Dissolved	ug/L	400	2,700	2.940	5,200	3.680	5.380	5.400	6.450	4.600	5,180	4.800	4.940	4.100	NS	NS.	NS	NS
Aanganese, Dissolved	ug/L	36	4571579	35.6	170	sta	372	37	731	33	439	43	110	HOUSE	300	NS	NS	100
Aprybdenum Dissolved	light.	230	TRETTER	ticl circly	TRACE OF	700 15020	PRETABLE 19	1003.475.15	16110161	10010000	PER 122 97	190 (20%)	- 823 (Million	1/1/1994	NS	NS	NS	NS
lickel Dissolved	1005.	21	140-150-10	BALLERIA	THE PERSON	- No 210 m	184137150	140 176	00011220	467731111	640,156,87	.1001110.00	100 1000	HRI LIBITS	100	52	470	610
Potassium, Dissolved	ug/L	17100	2,300	2,690	9,000	5,670	7,760	3.800	3.010	4:200	826	4,600	1.270	2,200	NS	NS	NS	NS
terenium, Dissolved	ug/L	NO CEEP	46010.00	NEDD	100000	100121212	HTU NOE	HOLD A	725/41/20	15113.0	ABILD	100,000	F6[15.0)	30 th =	50	4.6	NS	N5
Silver Dissolved	195	165503	Wind to	Upits	150,000	4577976	4000.74	1021351	1907(7.0)	H0775.07	3000	1000	10.0 (0)	SUBJECT	100	NS	3.2	NS
Sodium, Dissolved	ug/L	259000	14.600	6.290	14,400	17,700	65,900	192,000	84,100	78,100	73,400	77 100	68.500	99,200	NS	NS	NS	NS
Thallum, Dissolved 15	191	PUT-115.0	Up res-	125 J.Hus.	ALS/Ite.In	A DECEMBER	5.9.1	MEST 155-0%	80 170 by	no num	- Petrottini	San-thrit.	1007-10190	100 1123	2	13	65	0.2
Janadium Dissolved	UST	46	363.010	MOUNT	100,111,01	763 (0.0)	1014.0	183 (2.6)	TELLAGE	(EDHAL)	10.00.00	NO. I TO	160,000	502-1679	260	100	\$10	NS
Zinc, Dissolved	upt	15	T107 2 50720	2007-2011	100.000.00	13.8	1501118	267H01H	11.4	PERMIT IN	645 133300	100(17:0)	10.011500	161250.00	2,000	120	120	NS
Mercury, Disserved	ugt.		3185767305	125 115 215	100 (00 CH)									300 01 300	2	0.77	1.4	0.0

Page 1 of 4

Table 1 Analytical Results Surface Water Sample Summary All Sampling Rounds 201-84 Wettalte

									urface Water							SHS	MSC	-
Location		Reserve Pit Water	SR 29 Upgra	adient Sump	5R 2	9 Downgradient S	Sump	Storm Culver	East of SR 26	Upgradient St	ream Location ³	Downgradient	Stream Location ²	Seep Downgratient	MSC*	Surface Fish and	Water Quality of	
ample I.D.	UNITS	01	2H-11	5ump	H-C0	SUMP	0G Sump	291-19	SRZ9E- CUL	2H-14	/pstream	214-16	Downstream	2H-21	Residential Used Aquiter TDS ≤2100	Aquatic Life Criteria - Chronic	Aquelic Life Criteria - Acute	Human Health Criteria
emple Date		3/23/2010	3/24/2010	5/6/2010	3/24/2010	5/1/2010	5/6/2010	3/25/2010	5/5/2010	3757010	5/6/2010	3/25/2010	580010	3/25/2010				
DC+ (KHH)		15 10	THE LINE	1000				ATTENNESS OF THE PARTY OF THE P	PAR CO	Specification				Alexander - Contract -				
1,1-Trichtoroethane	igt	1001110	1 100 1525	7611157	10.15.01	_145-U/38	100,18105	2611116	16111.01	142715-0-	NO 1176	. 16175.01	195733.05	MODILE	200	610	3000	NS
1.2.2-Tetrachioroethane	ug4.	760 (516)	323-18-19	26 (10)	1816180	953 (1) (3)	Autopolis	7802-15-00	, NO. (T.5%)	151(1:11	5615 (R)	323 (5.0)	16071.6	NEVESTE	0.3	210	1000	0.17
1,2-Trichtoroethane	ugt	Michie	163 (47):	1604124	HP-St-OL		2001123	16575.34	A8371.51	161159	160 (1.0-	HELVERY	HEVER	1900 120 03	5	650	3400	0.59
1-Dichioroethane	ug/L	152,075	Minde	Mai 17.7%	110/41.01	110 (1.76)	All of the	RELIT OF	186113496	1601575	MELLI DI	1907-13-16	10118	TICHSIE	27	NS	NS.	NS
t-Dichiorpethene	ugt.	182 15-34	760 (8.25)	100/15/20	140 15-01	110 (3.3)		Militia Sec.	16731.01	160 02:20	340 /1-41		3601016	U02211	7	1500	7500	33
2.4-Trichlorobenzene	ugt			3(0)11.51		.002(1.0)			-4011th		PASSES	-	45/19		70	26	130	36
2,4-Trimethy/bergene	1994.			MOTE		10116	1557/1E		101(13)		MI LLD.		50201.69		16	165	NS	NS
2-Dichlorobenzene	ugs.			12/11/20		1031120-1	1201170		DESIGN		70117.4		DESTR. 101		600	140	820	420
2-Dichtorpethane	ugt	ME disp.	100.00	26 11 P	142,173.65	THE HAR	19022110	96336.31	DESIGNATION	1011110	\$65 hhis	EAST-15-75	9631636	16516.61		3100	15000	0.38
2-Dichsproethene (Total)	ugt.			10.75		MOULE:	Apr-2 (L)		- AGUEST		10123		100000		NS I	165	205	NS.
3-Dichloropropiane	191	2013/201	- NO 17 C:	1601116-	ministra.	103.11.00	5617116	1000	Section	District.	1401116	40.75.87	96141 E	16073.00	- 6	2200	11900	NS
3.6-Trimethy/benzáne	ugt.			100 15 (6)		10113	FE141 IV.		142511121		RCN-B		1601010		16	NS.	NS	NS
3-Octsorobenzene	ugs			50111		10715	12019 (6)		100110		197777		1901110		600	49	340	420
4-Oszkorobenzene	101	_		100,1110		1277737	2211111	_	2000		Table 1 II		MOVET 16		75	150	730	420
Butarrone (MEX)	ugt.	-		100000			14000000	100.000	1000000	-	7.00	1000110000		1000000	2.800	32990	230000	21000
Hexanone (MCN)		104 (104)	-	10/1/2015	100 A 10	100 1000	19311075	195.12	10.00	52715-01	5407 240 100	2011150	60.00	121.07.00	5	4300	21000	NS
	igit	7500	111111111111111111111111111111111111111	1504151		150 150 17	100000	771 12-00	PRA 115 SA	10 12 10	250 170 %	- CE 12 To -			190	6000	26000	NS.
Methyl-2-pentanone (MISK) retone	ugit.	- 00	NULL A TOTAL OF THE PARTY OF TH	100	FEI IE TA	1077.000	101111111	127 (11.0)	24.5	My FELL ST	147 117 1	200 HILLS	AD 190 la	THE FELCE	3,760	86000	450000	3600
	ugt.	32	No. 11-2-10	15217555	10/11/4/20		260 17 11 11	NO 110 IV	24-3	7627,312.15				75717279	3,700	130		
enzenie	ug/L	300 (5-2)	15 (1.5)	30511.00	125 (3.12	30,1121	BC-CLE	100000	267.07.71	25-30	353555	1001125	MINISTE	122,19.05			640	1.2
omochioromethane	7.00			- NO1119		341.035	10.37		1621111		3400/3		301116		90	NS	NB	NS
romodichloromethane	sight.	100 (5.4)	10000	7623335	NUMBER OF	70.15	19/11/25	- PERIODS	GOTTON'S	対けたに	WHEE .	1010	TO ALL	143.151.1	80	NS	NS	0,55
romoform	ugit	10/5 hr	415 H 71	10001	ARS (9.2%	2074170	167 (12)	TRACE IN	16013.60	755.55.67	-401130	783 Lb.bx	401156	MITTER	80	370	1800	4.3
romomethane	ug/L	ATTENDED	MO LEGS.	3421.13.20	\$10 (8:00 m)	3011175-	WELL STATE	BEIGHT	26513.00	MILTER OF	19233.11	MARKET	Militar	261134	10	110	550	47
arbon disulfide	Ug1_	W2.18 Dr.	PARTY ST.	10111111111111111111111111111111111111	163.15.5	1967 (150)	19921119	HARAL	19(2) (1/2)	18(1)(5.0)	1043 17.11	NO HOLE	1901(10)	HOUTUR	1,900	NS.	NS	NS
arbon tetrachionde	Ug/L	343 (3.02)	1855 (5.55	681117.00	NUCE	2013.5	1451///	TO THE PARTY.	2011379	370.55	SULTE	187303	1901030	1831308	5	860	2800	0.23
2tloroborizene	ug/L	140117	76(2)(5.2)	RE41H	1922 12:20	A518148		A SECOND	461130	4030	152/12	127/25	757 (5.5)	16157	102	240	1200	130
Discreetharte	Ug/L	0.645,86	490-651	#11 (3.1);	AID: (8.19	501110		Tel-16-6	100 TEL 100	100,000,000	10.03		NO STREET	HAY (S.S)	230	NS.	NS	NS.
hioroform	Ng/L	1214355-	140 (5.11	11/20/11/20	100 公計	3575135	1401014	16159	140 (10)	102/15	1700 1701	10,0235	3677117	1050	80	390	1900	6.7
hloromethane	Ug/L	17015-5-	127 A. ID.	12015	NOTE:	101100	1611130	77.15.5	1671100	MILET	NO IT IS	18/18/5	18211.0	1865	3	5500	28000	NS
diromochloromethane	ug/L	127.54	12376.23	963 ltm.	12/12/10	100 1130	9611136	381.00	500,07,00	35 15.06	ACCOUNT.	165 (5.5)	321325	15316 No.	80	NS	NS	0.4
Hybersene	ugt.	ROISE	100-7532	MILITARE	20/1/15-25	12.1 1.36	120 110	703 E.S.	1- RECULOS	160, 17-75	1711701	100-905	101101	10011	700	580	2900	530
corceyberzene (Curtene)	ugt.	4618.0	12115	26337156	100111-00	400115.00	\$81(1)	900 (19.00)	- 081+10x	M1255-	PES VI IS	HE173	52574.63	HET CT. IN	1,100	NS	NS	NS
tetryl-ters-butyl etner	ugit	1		651155		62 ort dy.	16334.3		- T-		1000000		16 -17-	1	20	NS.	NS.	NS.
tethylene Critoride	igt.	1				MODIFIED	NOV175		26.112		PATRICK IN		to it is		5	3400	12000	4.5
Sachfraiene	ugh			100000		100.07 (4	127 7 10		40.75		150 C N		18 75		100	43	140	145
Ovrene	ugs	100.00	19511.61	4257.15	120000	100 ST 100 ST	1997119	10.65	1001100	445 19 10 1	45.41	160-VA-N	100-11-0	100000	100	NS	NS.	NS
etractionsethene	ugt.	400.00	F41 (E41	40011	10.00	303.15	75.01	1000	-	-	1000	120110	100,000	1000	8	140	700	0.69
OLATOR .	ugt.	40.00	125 11 15	100711	10.00	1001111	40.00	27	20771 25		2010	1000	100	100.00	1900	330	1700	1300
richlor sethene	ugt.	200 000	100000	10000	10000	Notice to	100000	201121	1211111	1200	600 1100	1/01810	100.00	1000	5	450	2300	2.5
rryl Chloride		100.00	DATE:	1901112	2001	100 1 00	100.11	10000	100	10000	10-110	100.00	10000	1535	2	NS.	NS.	0.025
	ugt.	1000	1000000	10000	77.7	April 1 to	780-11-91	1000	1000	100000	20/10 di	-	18C1145	1001712	10,000	210	1100	79000
ylene (fotal)	sight.		200.00	100000		185-113A	10000		-		200	-	100	100.00	76		1100 NS	79000 NS
s-1,2-Oichloroethene	igh	THE PARTY.	TELES IN	79117 10	70111	100 A 197	70,111.0	5100	160 t 1 100	THE CLUB	2071112	7417	TO UT	TELES.		NS.		
s-1,3-Dichloroproperie	1995.	70.01	Minn	OH STATE	361(1.5)	200,000	70 1.0	10.45	STATISTICS.	IDEE:	PAX DE	HILL	10010	HELITA	6.6	61	310	0.34
&p-Xylene	ug/L	401365	AS (III.b)	100 (1 5)	III. (Helica)	10000	500	160 (110.15)	100	PERMIT	100,000	NO.152.0	PS LEU	MEYIVS	10,000	210'	1100"	70000
Dutylbanzene	ug/L	160 (1.75)	20.5178	MITTER	1000	401116	1907/100	107575	221117F	20,075	MEDIES.	他的原	NEXT IN	363,015	1,500	NS	NS	NS
Propyitienzene	ug/L	1631516	1977/2781	1807-71-75	AUDIT .	795117.55	1921111	36119.9	7/12/11/20	10000	16/41 E	HE115.YE	190719	MERCAN	1,500	NS.	N5	NS.
Xylane	ug/L	- Yest 17:50	167(3.6)	2011181	-30195	36711.00	- NEIGHT	ALD: YELDS	SUITE O	- EGr5.6-	- HETTER	1931 (54)	99,117.60	- h5366-	10,000	210*	1100	70000
-haopropy/tonueme	ug/L	200 (0.04	14019.6	14(223 /6)	50116	301130	11/5/14/201	167/3.0	107137-201	NO GEL	ALS 1 V (9-	785-17.56	9417 (1.6)	160 (0.0)	NS	NS	NS	N3
ec-Butybenzene	ug/L	MD H.E.	1925/19.93	160 (3.0)	100,14.00	190111.51	Hame	10011.0	S. ARTON	10000	1077 7159	3.61 (9.6)	NO11 (I)	140100	1,500	NS	NS	NS
rans 1.2 Dishipposithere	VQA.	THE STATE OF	145315.02	HC DA	10174 8	36717.16	18713 257	NE SEE	MODIFIER.	Mark or	NEW PLAN	115 (0.00)	907 (10)	1903000	100	1400	8800	140
rans-1,3 Cichtoroproperes	Jon.	100000	-	-		-		-		-	1000	-	-	190000	6.6	41	310	0.34

Page 2 of 4

Table 1 Analytical Results Surface Water Sample Surmany All Sampling Rounds DHIGH Wellsife

		-							urface Water								MSC	
Location		Reserve Pit Water	SR 29 Upgr	edient Sump	SR 2	Downgradient !	Sump	Storm Culver	East of SR 29	Upgradient S	tream Location ²	Downgradien	Stream Location [®]	Seep Downgradien		Surface Fish and	Water Quality C	
ample I.D.	UNITS	1	24-11	ug Sump	ри-са	2H/4H- SUMP	Sump	2H-15	SR29E- CUL	2H-14	Jpstream	4.16	Downstream	2H-21	Residential Used Aquifer TDS ≤2500	Aquatic Life Criteria - Chronic	Aquatic Life Criteria - Acute	Human Health Criters
Sample Date		3/23/2010	3/24/2010	5/6/2010	3/24/2010	5/1/2010	5/5/2010	3/25/2010	5/6/2010	3/25/2010	5/6/2010	3/25/2010	5/5/2010	3/25/2010		200000	1.00	
MHs (8270C SIM)	_	Name and Address of the Owner, where the Owner, which is the Owner, where the Owner, which is the Owner, where the Owner, which is the Owner, which i	-						-					-	-			
cenaphthere	ugit														2201	17	83	670
cenaphthylene	ugt														2200	NS.	NS	NS
inthraciene	ug/L														66	NS	NS	830
lenzo(a)anthrecene	ug/L														0.9	0.1	0,5	0.003
lenzo(a)pyrene	150														0.2	NS	NS	6.003
Senzo(b)fluoranthene	ug/L														0.5	NS	NS	0.003
tenzo(g.h./)perylene	tigt.														0.26	NS.	NS	NS
lenzo(k)fluoranthene	ugit														0.51	NS	NS	0.003
hrysene	ugt.												-		1.9	NS	NS	0.003
Sbenzia hjanthracene	ugit.														0.05	NS	NS	0.003
Representations	Ug/L														260	40	200	130
Lucrane -	ug/L														1500	NS	NS	1100
ndeno(1,2,3-cd)pyrene	ugit														0.9	NS	NS	0.003
Vaphthalene	ug/L														100	43	140	NS
Thenanthrene	ugit														1100	1	5	NS
henaumene Syrene	ug/L														130	NS	NS	830
SVOCs (8270C)	100°L											_			130	1 42	, NS	830
						100000							_		7 70		1 410	
1.2,4-Trichlorobendehe	ug/L					2617571		_					_		70	26	130	35
2-Dichlorobenzene	ugt.					Part Lat		-							600	160	820	420
3-Dichlorobenzene	ug/L					160112									600	69	350	420
,4-Dichlorobenzene	ugt.					385 CL19									75	150	730	420
Methylnaphthalene	ugt					107015									NS	NS	NB	NS
4.5-Trichlorophenoi	ugt					HILDE									3,700	NS	NS	NS
4.6-Trichlorophenol	ugit.					101110									11	91	460	1.4
.4-Dichlorophenal	UQTL					1 50 (f. iii)									20	340	1700	77
4-Exmethylphenol	บรู้ใ					- describe									730	130	660	380
2.4-Dinitrophenol	ug/L					160 (81)									19	320	1600	0.05
2,4-Dinitrotoluens	ngit.					A(2) (3 (2)									2.1	130	660	69
2.6 Dinitrotaluene	ugil.					760274-01		_	_					_	37	200	990	0.05
2-Chicronachthalane	ugh.					10011100									2,900	NS	NS	1000
2-Chiorophenol	ug/L					OF LEAST									40	NS	NS	NS
-Methylnaph@udene	ugit				_	2021 1 1 10 1									730	NS	NS	NS
2-Methylphenol(o-Cresol)					_	AA I was									1,800	NS	NS NS	NS NS
	ugit,	_			_	170-17-2			_									NS
2-Nitroanline 2-Nitrophenol	ug/t_				_	1011									2.1	NS 1690	NS 8000	NS NS
	ugit.				_	35523-95												
3&4-Merhylphenol(m&p Cresol)	egit.					14(2) (1)(2)									180	NS	NS	NS
3.3-DicMorobenzidine	Lgs_					TENTES	-								1.5	NS	NS	NS
3-Nitroanline	Light					250,12.15									2.1	NS	NS	NS
4.5-Dinitro-2-methylphenol	ugt.					MOUNT									5	16	80	13
1-Bromophenylphenyl ether	ugit					100111		1							5	54	270	NS
Chloro 3 methylphenol	ugit					MOUNT									180	NS	NS	NS
t-Chloroaniine	ugt.					80000									150	NS	NS	NS
-Criticophenylphenyl either	ugit.		-			162 (4.2)									5	NS	NS	NS
4-Natroamime	ug/L		-			M21=7-9-7									2.1	NS	NS	NS
f-hitrophenoi	iigit.					TOTAL T									60	470	2300	NS
Acenaphthene	ug/L					10000									2,200	17	83	670
Acenaphthylene	Jeu				_	18701110									2,200	NS	NS	NS
Arthyscene	ugit.					1001100									66	NS	NS	830
Azobenzene	UQIL					107777									NS	NS .	NS	NS
Benzo(a)anthracene	ug/L				_	20,112									0.9	0.1	0,6	0.00
	ug/L				_	PETETU	_		-						0.2	NS.	NS	0.00
Benzo(a)pyrene Benzo(b)fluoranthene	ugn.				_	140 (1.0)									0.2	NS NS	NS NS	9.00
	ug/L					AUT I DI									0.9	NS NS	NS NS	9.00 NS
senzo(g.h.)perylane	ug/t.				-	H0723135		_	-	-								9.00
Berszo(k)fluoranthene	7,00	_	_		_	HD-(3-8)		_	_				-	_	0.55	NS	NS	
Benzoic add	ug/L					POLITICO .									150,000	NS	NS	NS
Benzyl alcohol	ug/L														11,000	NS	NS	145
os(2-Chloroethoxy)methane	ug/L					1923120									5	NS	NS	NS
ois(2-Chloroethyl); ether	99°L				1	- NG 15 (S)									0.13	6020	30000	0.0
bis(2-Chloroisopropyl) efter	Ug/L					190 11 10									300	NS	NS	140
ois(2-Ethythexyl)phthalate	ug/L					140110									6	910	4500	1.2
Butyloentylphthwate	ug/L					100111-00									2,700	35	140	150

Page 3 of



					_				urface Water								MSC	
Location		Reserve Pit Water	ED 25 Hour	adient Sump	00 1	9 Downgradient 5	lume	From Culum	East of SR 29	Married Street	tream Location	No. of the last	Stream Location	Sees Demandered	MSC ¹	Surface	Water Quality C	riteria*
	UNITS	water	on 20 opgn	autin Sump	on.	ta Domigration o	omit.	otomi curver	EAST OF SHIEF	Upgradient S	aream Location	Downgradien	Stream Location		Residential	Fish and Aquatic Life	Fish and Aquatic Life	Human
ample I.D.		01	29-11	Sump	H-08	SUMP	Sump	CH-19	SR29E- CUL	H-14	Upstream	2H-15	Downstream	28-21	Used Aquiler TDS 52500	Criteria - Chronic	Criteria -	Criteri
iample Date		3/23/2010	3/24/2010	5/6/2010	3/24/2010	5/1/2010	5/8/2010	3/25/2010	5/6/2010	3/25/2010	56/2010	3/25/2010	5/5/2010	3/25/2010		SALE FROM		
VOCs (6270C) continued																		
arbazole	cgt.					240-11-01			1						32	NS	NS	NS.
hrysene	ugit.					1(0.17:0)									1.8	NS	NS	0.003
ibenz(x,h)anthracene	ug/L					140(130									0.03	NS	NB	0.003
ibenzoturan	ugt.					P(2) 11.00x										NS	NS	NS
lethyiphthalare	US/L				-	- RELEAS	-				-				5,000	800	4000	1700
methylphtharate	ugit.					1915 (1/10)									5	NS.	NS	NS
Ln-butylphthalafe	ug/L					10001232									3,703	21	110	2000
s-n-octylphthalate	ugit					18274.8									NS	NS	NS	NS
luoranthene	ugft.					1001175								-	260	40	200	130
luorene	ug/L					MILLETO "									1,500	NS	NS	1100
lexachipro-1,3-butadiene	ugri.					2001741									1	2	10	0.64
lexachlorobenzens	ug/L					701775									1	NS.	NS.	0.0000
exachiorocyclopentadiene	ug/L					HEAT-PS									50	1	5	40
exach/orosthane	ug/L					12(11)15									1	12	60	1.4
ideno(1,2,3-cd)pyrene	ugit					120 (19)									0.9	NS.	NS	0.000
ophorone	ugrL					957,150									100	2100	10000	35
aphthalene	ug/L			-		16511.01									100	43	140	NS
Itroberzene	ug/L					HERITE									18	810	4000	17
14Vosodinethy arrive	ugit.				-	1位10年									0.0031	3430	17000	0.0000
Nitroso-di-n-propylamine	ugit					45211.89									0.094	NS	NS	0.008
6-Nitrosodiphenylamine	ugit.					+61433s									139	59	3000	3.3
entachlorophenol	ug/L					110 (7.3)									1	0.005892942	0.007681042	0.27
henanthrene.	ugit					110 (12)									1,100	1	5	NS
Phenol	ug/L					187.617%									4,000	NS	NS	21000
yrene	ug/L			-		(61)131									130	NS	NS	830
Jeneral Chemistry	And in case of the last of	-	A STREET, SQUARE,		and the same			Name and Address of the Owner, where		-		The second lines			1			-
Н	pH units	10.44	6.83	4.	7.40			7.06		7.1	-	7.24	+	7.25	6.5.8.5	6.0	-9.0	NS
PHDRO	mg/L					+								-	NS	NS	NS	NS
PH-GRO	mgA.							-							NS	NS	NS	NS
Oil and Greater	mg/L					-									NS	NS	NS	NS
Pri	mgrt					-			-						NS	NS	NS	NS
cadity	mg/L.					-									NS	NS	NS	NS
Ukalinity	mg/L					-									NS	NS.	NS	NS
Immonia	.7gm					-									NS	NS	NS	NS
thylene Glycol	mo/L					- 4									14.0	NS	NS	NS
SS	mark	1745	27.0	256	120.0		774	11-0	47.0	3.5	15.0	THE STATE	40	62.0	NS	NS	NS	NS
DS	mort.	1333	66.7	77.0	140	+	218	632	278	150	209	208	220	328	500	NS	NS	750
kufide	mg/L	367.700	1007786	3401141	H25 2A.W.	+	25/1/25	56115cs	Albinis.	MILTER DE	NO PUR	- 1425-3616h	2011730	180/16/19	0.005	NS	NS	NS
BAS	mg/L	- Upper and the second	TIC GIVES	75 FF (FF/TH2)	PERMITTEE .	4.	地址地址	Dicas	1.6	10000	Third Vi-	DyDum Silv	14010000	140215.0mg	NS	NS	NS	NS
Chloride	mg/L	302	23.4	7.9	28.2		40.6	390	81.2	146	81.6	123	83.3	170	260	NS	NS	250
onal Coliform (SM ₂₀ 9222B)	efult00-mi	10,000	86	TNTC	TNTC	-	TNTC	TNTC	TNTC	TNTC	855	292	760	TNTC	NS	NS	NS	5000
ecal Coliform (SM _w 9222B)	cful100 mi	10000	-	TNTG		-	TNTC		TNTC	11110	15		200	7.	NS	NS	NS	200
			-									-						200
ecal Colform (SM ₂₀ 9222D) ecal Strep (SM ₁₀ 9230C)	cful100 ml	5,400	-	TNTC	6	- *	100	50	TNTC 384	16	52	- 2	256 160	14	NS NS	NS NS	NS NS	NS.
	efultion mi																	

Notes:

> ND (5.0) = Parameter not detected at the detection limit specified in parentheses

Results exceed SHS R-U MSC.
 Results exceed applicable water quality criteria: surface water only

Page 4 of 4

⁸= Un-named intuitary to Bur ⁸= Too numerous to count

No Standard
Standard residential, used aquifer (TDS _2500 mgl.) Medium-Specific Concentrations (SHS R-U MSC, 25 PA Code Chapter 250)

Pa Code Chapter 53.6, Table 5, values assume a pH of 6.5 SU and hardness of 100 mgL, where explicable. Values provided for chromium are for chromium III.
ena (coliform), chloride. TDS, pH, manganese and iron from 25 Pa Code Chapter 93.7, Table 3.

^{*} As Total extense.

Maximum as a geometric mean based on a minimum of five consecutive samples collected on different days during a 35 day period. Level set to 260 da/100 mill during semming season.
The Results for dissolved findium evaluated down to instrument detection limit (IDL) for analyses conducted on 5/17/2010, 5/8/2010 and 5/7/2010. Positive values between reporting limit (IRL) and the conductive of the dissolved findium evaluated down to instrument detection limit (IRL) are analyses conducted on 5/17/2010, 5/8/2010 and 5/7/2010. Positive values between reporting limit (IRL) are also determined.

Samples with values between DL and MDL, were reamylyced on more sensitive interfument to confirm presence or absence of dissolved thallum above MSC of 2.0 ugb.

 Repulse some SER FL MSC.

 Repulse some SER FL MSC.



								Shallow Wells							MSC
Location	UNITS	Reserve Pit Water		Station Well			Shallow Well		Pressure Tank	(Connected to Shall	rw Well)		udov Well	MCL ¹	MSC* Residential Use
emple I.D.	Units	01	47	ZHIHHH.D.	HD Well	43	HO Well	Shound	Hobard	94-13	P Tank	04	HD Well	Orinking Water Standard	Aquiter TDS 52500
ample Date		\$23/2010	3/23/2010	5/1/2018	5/5/2010	3/23/2010	5/2/2010	4/19/2009	12/22/2000	3/24/2010	5/7/2010	3/23/2010	5/7/2010		
110/7471 Merely Analyses			AND DESCRIPTION OF THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NAMED IN COLUM	Company of the last of the las		1000	THE RESERVE TO SHARE		Name and Address of the Owner, where					-	
uminum Total	ugt.	46,500	2,300	93	125	400	1,050	-	Y .	9,400	116	140	570		.7.
timony, Total	49%	61 130	50000	5.5	相互(1.0)		5.6	- "		8.2		190/1-19	962 (3.0)	-	
num, Total	191	8,700	1,100	112	94.1	760	1,490	+		14,600	152	120	34.1	-	-
ryllium. Total	197	40		NO FESS.	160 x 1 2y	HO IS III-	1001101	-		NOTETO:	12(1)11		39.1		
rytium, Total	ugit	196	1071110 Ft	- WCL (85-79)	ED (10.0)	163113.01	90100			57	1621107.54	10 50 5	1119750.55		-
dreum, Yotal	ug/L	47	1923,174,075	N21530	10 (13)	7507,03 767	(85/41/3)		T	140977.555	ACC13 (8)	90311.27	AUDIO ST	1	
icken, Total	ug/L	72200	14.902	12,900	12 900	37,100	28,800			34,500	78,100	18,200	12,100	9	
romus, Total	ugil	140		1015.5	10.0.0	HE SH	NO. 12-13	4		25	WE125-81	16,0,0	HDST		18.7
eat, Total	ug/L	40	WELVE III.	50 72.05	10355	105.50	100.0	-		10179.00	40.0.0	383(3.8)	1000	- 4	
pper, Total	ugt.	310 65.800	1,900	100	127	260	73.5 1,038	-	1	360 4 900	67.5	110	642	-	-
ad Total	ugit	1,303	5.6	100.00	42727.00	44	21.8	-		140	121.27 %	100,000	1101775		-
conesium, Total	Jegs.	10000	3.100	2,750	2.630	4.900	21.8	-	-	5,500	4.040	3.600	2.500		-
inganesis. Total	ugh	2,003	12	6.6	10.711 F	6.3	13.7	-	-	91	H11174	100111-00	2,500		
	ugi	280		10001	187 WES	197,25	ND 0415		-	HEIGHT	10.015	N2255	90.000		
ast, Total	igt	160	2000	NO (T) 16	1011/10:0	342 (1972)	100000	-	-	19	1001111	409170.00	ROHOUS		
tessum, Total	ugt	28,700	3200	2,500	2,530	2,300	2,190	-	+	5,600	1,800	2,100	1,590		-
lenium, Total vez, Total	ugit.	25	100/12	- A0 (8 III.	Tall 1 to 1	2.1	10111	-		101111	10000	161111	100	-	-
dum, Total	ug/L	216,000	15.100	5,210	4,860	109.000	76.500	-	1	77,656	74.600	36,006	11,600	-	-
allium Total	J'ga	B/B / (12 mm)	ABBROOK	3457753.302	1680000000	MODRA III	100 Ftd.8-			MILS1050	7.50:110 to	10 000	ARTEST NO. 1		4
madum Total	407	700 530	0.0	74077750	18D(0.4)	36.35	10000		- 4	50.0	WILLIAM.	10AD	1307-617		
c. Your	Joe Joe	530	26(61)15.51	30100.0	14(0.12)(1)(1)	,967 HES.	26.3	-	4	625	34'n16'04	NO.712-01	415 941 47	-	
roury Total 10/74F1 Metalix Analyses	ag/L	2.5	103.70	70033030	40.872	MULTIN	767 (F.36)			0.2	30 6 70	365 (1.70)	400,000		
(0/247) Metalx Analyses		7.00					Contract of the		580						-
ammum, Dissolved timony, Dissolved	ugt	1,100	190	HUI XIII A	16134630	10	100.004.00		540	113	MITTER	(907) (51)	.110,011	200	200
smony, preserved	100	61	740 000	2012	52000	- HU SARS	1001/100			201100	100.00	763/337	5412 To 51	10	16
num Dissolved	191	3,100	330	84	85.8	650	238	4011213	1,380	520	118	110	27.0	2,000	2,000
ryllium, Dissolved	192	INDAY RA	MALK	1833/195	1401110	HCT1%: -	154 Y 10		2000	140111	100 12.00	1421530	P1521 Sc	4	4
ron, Dissolved	ug/L	123	. MERSHIN	(340),68535	913 (Kill 8:	AC125.0	615628			16.16310	MILES.	HD-REE	-1251 No. 20	NS*	600
dmum. Dissolved	ug/L	800000		400.1100	NS(3530		ALIVAL.			NO.H.W.	162113	1601100	240.04		
icium Dissolves	ugit.	18,400	12,900	12,800	19,500	11,700	26,800			31,800	28.100	18,700	11,600	NS NS	NS
comum Dissolved path Dissolved	115/3	6.7	12/1/2	92120	RO (2.2)	141.73.00	16215.01			600,575	1000	REFEE DE	- BITG-2	100 NS	730
oper, Dissolved	ugit.	12	10.71	10117	70,110-00	14113.31	27.8			- 4	10.00	700 (3-10)	MUSI	7.05	1,000
in Disselved	ugit	1,000	160	9471112a-	00115321	68	87.0	100000	Nto .	62	4017555	147 - 15. 15	46777	1,366	300
ad, Disselved	ug/t.	49		1911230	2.1	80110.30	5.8			71	160-22-24	1463 (2.11)	3.6	15	
agnesium, Dissolved	ugt	400	2,700	2,710	2,900	1,600	4,330	2,560	4,510	4,200	4,580	3,500	2,390	165	148
inganase, Dissolved	ugit	38	6.9	34.2	6.4	5.4	9.7	10103000	162,5131	32	12.1	MC102-FS	- 48(3 (13)	50	160
olybdenum, Dissolved ckel Obsolved	ugit	255	30,310,12	700 GH 11	H0102E-01	A20012	2011/01/02			MC1-25 fb	ACTION IS	30100	PROTECT	NS	NS 100
casium Dissolved	ugt.	17100	2,400	2,500	2.583	840	1 820			2,450	1,710	1.900	1.540	NS NS	100
renum Ossoved	ugt.	.7100	2,400	2,400	10113	840	1,820			2.430	1,710	1,400	-,540	50	50
iver, Dissolved	ugt.	10/12	SELEVIES.	9772.94	300 (10)	2071170	100,000			Witshield	141.50	No sedo	900 15 20	190	100
dum Dasolved	igt.	259000	14,700	5,250	5,190	35,400	71,350			73,600	74,200	36,000	10,400	NS NS	NS
alium, Dissolved	ug/L	TELETON	101113-9	100,010,01	MILITED.	563)1(2)	HCOROL			HANTER	90 PS	Athhir	- MARITOR	2	2
madum, Dissolved	ug/L	45	10111111	107 (7.16	7973476	FEE (4.4%)	20.5			167.17.01	10,650	101-011	40,433	NS	240
c Dissolved roug, Dissolved	1/2/1	15	70-075	1817.0	100000	501103	20.3			120	74,1707	1991 1992	51.7	5,060	2,600
Ha (82700 SIM)	ug/L	TE Sheet	per Sulfi	200	PACE LANC	44.600	100000	_		- Total Co.	100000	and a		1	2
ecaphityene	ug/L								T					NS	2200
ecaphtrylene	ug/L													NB	2200
	1927													NS NS	66
nzo(e)enfiracene	ug/L													NS NS	0.9
tzo(a)pyrens tzo(b)fucianthene	US/L													0.2 NB	0.2
nzolg hiliperylene	ugit.										-			NS NS	0.26
nzojkytvorantnene	ug L													NS NS	0.55
	191													NS	1.9
senzia.hiarthracene-	ugiL													NS	0.59
rocardhana	ug/L													NS.	266
orene	ugt.													NS.	1500
deno(1,2,3-ód)pyrene	196										-			NR NR	0.9
aghthalene marethene														N/S N/S	100
renarrorena	ugit.													NS NS	130

Page 1 of 3

Table 2
Analysical Results
Shallow Well Sample Summary
All Sampling Rounds
Shallow Wellaide
Person Seminatura County St.

								Shallow Wells							MSC
Location		Reserve Pit Water		Shallow Well			Shallow Well		Pressure Tarth	(Connected to Shall	ion Wells		Ballow Well	MCL.	MSC
	UNITS			District Her		1	and the			Continue and in the					Residential Use
mple E.D.		01	07	2H(4H.H.D.	HD Well	- Indian	HD YWE			96.53	P Tank	-	HD WAR	Drinking Water Standard	Aquifer TDS s2500
mple Date		3/23/2010	3/23/2010		562010		3/7/2010	4/19/2009	12/22/2009	3/24/2010	57/2018	3/23/2016			
OCs (8270C)	-	The second second		Name and Address of the Owner, where the Owner, which is the Owner, where the Owner, which is the Owner, where the Owner, which is the Owner, whic							The same of				
4-Trichicrobergene	V91.			100,0100										70	76
Dichlorobenzene	151			100171.00										600	600
3-Dichloroberizene	ugil.			H2:340.										NS 78	600
4 Dictionsbenzene	ug'L			10,17 E					1					76	76
Methylnaphthalene	ug/L			1000 (1.9)										NS	NS
Methylnaphthalene I.5-Trichkropheno:	ug1,			100 100	/				-			- +		NS.	3,750
4.6-Trichlorophensi	ugs.			442,50			-			PC		and a		NS.	- 11
4-Dichlorophenol	ug t			55/10										NS	20
4-Dimethylphenol	49%			100,11,03										NS.	730
4-Dintrophenol	sgt.			HCT (2.91						-				NS	11
4-Dintrotokene	49%			HC (115										N6 NS	2.9
A-Dintrototuene	vot.			HC 11372		_								NS NS	2,900
Chloronaphithaliene	ugit.	-		1402 (1-15) AUC (1-A)	-									NS NS	2,900
Chlorophenol	49%			79413-70			_				_			145	730
Methymaph/halene	agri,			18/17/0										NS NS	1,800
Methyphenol (o-Cresor) Nationaline	99%			Monai										NS NS	2.1
November of	ug/L			5011111										NS NS	296
&4-Methylphenol(m&p Cresol)	101 UST			191111										NS	180
3-Ochiotobenpidne	49°L			1500											1.5
Nimpaline	921.			40.00										N9 NS	2.1
R. Dinatro-7-methylopenol	ug1,			180 LCSL										NS.	- 3
Bromoppenylphenyl ether	991			101110										525	
Bromopherylphenyl etter Chloro-3 methylphenyl	ugt			15011701										NS	180
Chloroaniine	ug1.			301110										NS	150
Chlorophenytphenyl ether	200			1000000										NS	
Netroandrie	360			3077185										NS	7.1
Narophenol	795			910 1910										NS	65
anaphthene	ugit			100.11										NES	2,200
cenaphthylene	J'g'L			107174										NES	2,200
nthracene	14th			1401154				(0.0)						145	86
zobenzene	ugit			501.17.25										NS	N9
enzo(a)anthracena	ug/L			M233.50										NS	0.9
enzo(a)pyrene	1971.			18113										0.2	0.2
enzo(b)fluoranthene	vg*l.			181-136										NS	0.9
enzo(a) fulperyteise enzo(a) fuloranthene	ug/L			1071170										N3	0.26
erszo(*)/Nuoranthérie	ug/L			50111.10										NS	0.55
endoic acid	091.			HELDER I							_	-	-	NS NS	150,000
enzyl alsohol isj2-Chloroethoxyymethane	ug/L			10011										NS NS	11,000
s[2-Chloroethoxy)methane	ug/L										_			NS NS	9.13
s(2-Chloroethyr) ether	ug L			3/3/1/25							-			NS NS	360
st2-Chloroioopropy() ether	ugi			46319							-			NS .	300
s(2-Ethylhexyliphthalate	ug1.			1971/20										NS	2,700
utylbenzylphthalate arbazsie	ugt			100.00										NS NS	33
	Jen .			56/17/19										NS NS	1.5
hrysene	ugiL	-		100.0										165	0.54
benz(s.A)avhnecene benzofuran	ug/L	_		100000			_				-			N5	5
netrylphthislate	ug's			10000										NS.	5,050
kmatry(phtharate	995.	_		200										NS NS	5
inetry (primales) i o bug (primales)	ug/L			105377										NS	3.760
n-octyphthalate	ug/L			1623-FC (1)										NS	NS
luoranthene	ugil			10747-10										NS	260
udiene udiene	ugit			7031100					-					NS	1,500
exachioro-1,3-butadiene	ug/L			32000										NS NS	1
exaction: Londonnia	ugil			40.016										1	1
exachlorocyclopentadiena	ug/L													.10	50
	191.			10/18										NS	1
ideno(1,2,3-cd/pyrene ophorone	ugit			107 7 16										NS NS	0.9
ophorone	ugt			10.0%										NS.	100
	- ug/L			485150										NS	156
Probenzane	ugt.			782 (1.6										NS NS	18
Minnortmethylamos	19t			1210										NS	0.0031
Nasso di A propylamine	ugs.			36711-26										NS.	0.094
	Jen			1017135										NS.	120
	Ng/L			10001										1	1
tienarthrene henol yrane	ugs.			101115						-				NS	1,100
henol				10,111					_					NS.	4,000
	ugit.			NO.25 III.										NS	130

Page 2 of 3

Analysical Results Shallow Well Sample Summary All Sampling Rounds 2H-Dirt Wellisite Dirtock Toentrip, Susquehanna County, P

								Shallow Wells							MSC
Location	UNITS	Reserve Pit Water		Shellow Wi	et.		Shallow Well		- Pressure Ten	k (Connected to Shall	iow Well		Shallow Well	MCL ³	MSC ⁴ Residential Use
mple ED.	UNIS	01	07	294494 H.D. Well	HD Well	63	HD Well			2H-52	P Tank	04	HD Well	Drinking Water Standard	Aquiter TDS 62500
mple Date ICs (8290)		3/23/2010	3/23/2010	5/1/2010	5/6/2010	3/23/2010	5/7/2010	4/19/2009	12/22/2008	3/24/2010	5/7/2010	8232010	5/7/2010		
1.Trichiomethane	197L	107.5	9/01/04/	MITTE	4577521	50.88	MOTOR.			1 60/31/	160 21 to	HD (5-0)	MORE	200	200
2.3.Tetrachismelhane	49%	163.A.E.	- 5000	- 810.CX.00	M0212	N19.0	40 (10)			60 (5.4)	50 (130	RE 13 III	190-(19)	NS.	0.3
2-Trichioroethane	igt.	90,00	127.75%	H275.00	A11135	10.55	467.17.00			1010	101-1130 461-1130	MOVEN DE	1050	5	5 27
-Dichiproethane -Dichiproethane	ug/L	10 8 6	NC.0.0	30,739	7514131	10111	75(11)			1000	16115.0	1000	- 14511.95	NS.	27
4-Trichlorobenzene	197.	10000		007336	15077110		12/11/2				40.116	-	10000	70	76
4-Trimethylbenzens	19%			10000	16037 01		101101				1011111			NS	16
Dichlorobenzene	uyt.			MD 11.00	10112		16071.91			1035	10000		1421181	600	400
-Dichloroethene -Dichloroethene (Total)	191.	HOULE	76.046		9077530	18615541	107131			801,315	401.11.50-	(60,449.30)	16145	NS	NS.
-Dichloropropane	ugit.	180.00	ACT TO SEE	10000	36710	50.5%	HDCT/A			263-137	1011,1-31	10737.63	MILLS.	5	- 5
-Dichlorogropane LS-Trimethy/benzene	J.gu			1400 (1170)	NOITE.		MORRE				10:11/6		340-31.27	NS.	16
- Dichlorobenzene	Jeu			ME(1)15	587(120		AUC 5 1 Hz				TOTAL STREET		1407,000	N8 75	500 75
EDichlorobenzene Butanone (MEK)	ig/L	100000	450,000	100 000	10000	PRO15	90 (17e		_	WINES.	16/7 E - 1	THE PARTY NAMED IN	182710-41	NS.	2,800
riexarioné	ugh.	90.00	140 pt 18	167,186	194 (45.0)	100 (7.5)	151.18.10			RD1591	Salman .	18533.25	90315-6	NS.	5
Methyl-2-pentanone (M/BK)	905	88.54	1000	10.024	101.025	792.15.00	105 1425			38115	1606	16773.65	16033314	NS	198
etone inzene	90%	32	70-00	79731975	767 (79) (2)	4114	90 125 16			45,175.5	16034.0	CHADA	ERPORTS.	NS	2,700
inzene irrochloromethane	eg/L		140,1536	FRE 11/20	705171	20.04	100701		_	76 1145	100 LV TP	emilia)	Tel Oli	NS-	\$0
smodishisrsmethane	10e	10113-S	161111	54117.00	Party St	9419-97	1921197			1675.0	45/0	\$0115.01	30115	80*	10
onsoform	J'gs	165550	421/81/6	10 10	7801731	16.27	127.15E			1553	BULLE	13623310	10110	80*	80
ornomethane		7616 E	1075	1.4	1623134	16/16	2652.6			100 (5.70)	50012	16163,9	10115	N5	10
erbon disulfide	497	19015-5	362 (3-1E	40117-00	40000	1201933	NO.416			45,725	90.11.00	3517.65	385-1-9	NS A	1,900
artion tetrachloride	1991.	RS1538	10.110	201111	10000	100 40	1000		_	10.55	100 100	00/01	F611	100	100
lorberhansi	sgl.	100.55	107.515	9010	12117.75	1000	12071			101 (1.3)	0/11/2	12110.0	100 (170)	NS.	230
foreform	ogri.	RG (E.S.	3011016	161111	161/E30	155.35	141112			1627.1334	38117.00	16175-6	3403394	80°	80
soromethane	49%	7415145	20 1744	2673.125	1000	. 16.11.3	NO. 100 Tel.			107 (4.30	140,4136	Halele	10174	NS.	3
bromochloromethane.	og1.	1054	32.4%	41112	22/11/6	MEGA	21138			10.02	MTHE	10015	127.7-6	80*	760
hyberzene	ugit	10:00	10100	181110	75 (1)	10/4/	1011		-	0.00	10000	1000	10.15	760 NS	1.100
opropythenzene (Currene) etnyl-tert-butyl ether	ugi		-	20112	10.00		58211.45				5077.00		145115	NS	25
ethylane Chloride aphthalerie	ugit			- 102.01.05	NOTE:		16,170				10010		10/12	8	5
aphthalane tyrene	Jen J	100000	100.00	30/17/3	16.67%	HOUSE STATE	100,000	-			101 (5.3)	400 000	810.15-2-	NS 100	100
yrene strachlorostnene	ugt.	100000	107.118.45	19717-0	100 100	400 18 10	- 12771 lo.			100000	U01114x	121 5 17	1010	5	3
olusne	14B/L	1075.81	16.52	48.178.30	16116	36115-02	1 181175			10.15	107770	Miles	10.115	1000	1000
schlomethene	ug/L	1400万円	81.55	4601130	1659130	2012.337	161(7.5)			760176-01	H0.031	16011111	I ICHIE	- 5	- 5
ny: Chlorde ytens (Total)	vg/L	RD COST	0.11	1011120	20,110	46/11/2	15637156		_	160/12	1000	ACTUDA:	NO 1151	10,000	10,000
L12-Dichternalhana	ug/L ug/L	1075	100,733	42110	12712	32:315	257.1.0			V65-02-0	30.70	10,50	40 III	70	
s-1.3-Dichlorsethene s-1.3-Dichlorsproperie	vg/L	M0.15.65	12-72	HOH II	12311	427-91.317	2010			15,125	42112	19079.81	1671116	NS .	75 6.6
&n Xviene	497	197 (92.0)	AD WELL	1680	15,17.6	100 (34 to	投資品			1021114	ALIE ST	40,0150-	(850) - 10	10,000	16,000
Butythenzene	ugit	1000	361331	101125	10.15	201172	20271.00			30.10	162 (15)	- HE-2C-	- MILES	N9 NS	1,500
Propytherzone Xylene	ugit.	14/14/15	30 53	1857/195	17/15	2000	1000			2777	10111	POLITICS	1000	10,000	10,000
Isopropyttolusna	ugt	1011	3/1/4	90110	100.00	16-11	50775-			200 (3-24	30140	40.75	100000000000000000000000000000000000000	NS	NS
io-Suly/benzene	vgt.	14210335	No char	(89)(3)	1957575	NEW YORK	- HP (CI)			F155	14111.54	3419-61	AD DE	NS:	1,500
sns-1,2-Dichlorgethens	ugt.	16/3/11	8200	1907(10)	10:150	(67.07)	10,1735			103.0	10/11/12	45.00	TROUGH	160	160
ans-1.3-Eschloropropens Amerial Chaesistry	ugl.	16191	10.00	1 1 1 1 1 1 1	L tollin	102534	- PEILE		1		The second	10.710	160000	N8	6.6
	pH units	10.44	8.75	-		6.65	-	6.8	7.21	8.73	-	8,17		654.5	6.54.5
PH-DRO	mg t.		-			4/9/1			-					15	NS NS
H-GRO	mg/s.	_		-					_					NS NS	NS NS
and Greese	mgit.													205	NS
dly	ing%.			-										NS.	NS
almity	mg/s.													NS.	Nt
smonia	mg/L													NS NS	NS 14.0
hylene Glycol	mg/L	1745	23.0	-	100000	25.0	15.00	100000	7.3	42.0	11.0	3.0	81.0	NS NS	NS NS
9	rig/L	1313	45.7	-	103	410	276	184	292	200	200	147	84.0	500	500
ifide	/rig/L	MOTOR	363536		14000.25	763.17 Kc	78*1170	40.175	RETURN.	10122		11071.40	20119	NS	0.005
BAS hionde	mg/L	302	19.7	-	6.7	188	105	78.6	715	159	0.18	0 624 78 ft	18.2	N5 250	NS 250
otat Coliforn (SM ₁₀ 92228)	shi/100 mi		19.7		70	TNTC	105	/0.5	/15	109	72	48	171	930	NS NS
scar Coldom (SM _m 92220)	(fu/100 m)		-	-	10	min	ROWALL STREET			141045	other ha	40	17.4	8,	NS.
ecal Coliform (\$M ₁₀ 82220)	ch/100 m		40.110	-	NO (1.0)	80	-	1001120		100.00	2071 at		-077.0	- 0"	NS NS
ecal Strep (SM _m 9235C)	ch/100 m		20/10	-	MD (140)	44	45,110	-961185			4	-	6	0	NS

Notes:
'= ND (5.0) = Parameter not detected at the detection limit specified in parentheses.

*= " Not Available Not Analyzed"

** Primary Federal Maximum Contaminant Level (MCL): Secondary MCL applied when primary MCL not available.

- Primary Federal Maximum Continuous (MCL); peconsary MCL appear when privary MCL for Evaluate.
 - Estate-vice Health Standard residential; used aquifer (TDS _2500 mg1) Medium Specific Concentrations (SHS R-U MSC, 25 PA Code Chapter 250)
 - No Standard

Page 2 of 3

^{**} As Total ethalsmethanes ** As Total ethalsmethanes ** As Total sytenes

^{*} As Total sytenes

* MGL Goal (MCLG)

* Too numerous to cour

^{**} Reguls for descrived finalium evaluated down to instrument defection innt (OL) for analyses conducted on \$1/2010, \$60010 and \$7/2010. Prostive values between reporting limit (RL) and method defection limit (MDL) reported with a '7', estimated Surgices with values between ICL and MDL were rearranged on mice sensitive intersument to confirm prosection of desprived the filter above MSC of 2.0 agr.

6.31

- Results send of SIS SLI MSC.

- 32

- Results send of SIS SLI MSC.

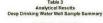
Table 3
Analytical Results
Deep Drinking Water Well Sample Summar

All Sampling Rounds

Dimock Township. Susquehanna County, PA

		Reserve Pit					Deep Drinking	Water Wells					Wate	r MSCs
Location		Reserve Pit Water			Tap Water			· Tap W	ater		- Тар	Water	MCL ⁵	MSC ⁴
Sample I.D.	UNITS	01			05	pw		-06	DW		12	DW	Drinking Water Standard	Residentia Used Aquif TDS ≤2500
Sample Date		3/23/2010	4/19/2009	10/27/2009	3/23/2010	5/7/2010	4/19/2009	3/23/2010	5/7/2010	4/19/2009	3/24/2010	5/6/2010	1	
010/7471 Metals Analyses				Contract of the Contract of th				(- C				Victoria de la Companya de la Compan		
Aluminum. Total	ug/L	46,600	.0		NO 150 on	ND (50.6)		2,200	NO (50.5)	-	NO 150 (0)	NO-190 (0)	.1	
Antimony, Total	ug/L	61			NO 15 01	HD/050	-	(ND (6.5)	NEX (5 ID)	*	NO (5.0)	Mith (Firth)		-
Arsenic, Total	ug/L	130	4		100 (510)	ND-(5-9)	-	6.7	NDYSGI	4	MO (KID)	140 (5.0)		
Barium, Total	ug/L	8,700	-	-	85	72.5	-	180	101	-	100	106		
Beryllium, Total	Jug/L	4.0		-	762 (t.D)	HD (1.0)		720 11:00	ND (13)	-	ND/CE.DI	ND (1.0)		
Boron, Total	ug/L	190			RD (50.0)	(140) (50))(NO ISO OF	1473-290-01	-	140 (50 0)	NTV(SOLID)		
Cadmium, Total	ug/L	4.7	-	-	NOVE OF	Milita	-	MOVED	ND-LT-Ch	-	BD. H.St.	MD-rt.Ox		
Calcium, Total	ug/L	72200			28,400	25,300	-	28,000	27,000	-	32,300	29.400		
Chromium, Total	ug/L	140	-	-	ND AS CA	NO UE DI	-	NO (5.0)	NDASO	-	知 進 6	14(1-(5-0)	-	-
Cobalt Total	ug/L	40		-	MD+5-04	HD IS 8	-	ND 15 D1	ND 15-01	-	541Y (75-77)	ND 15.01		
Copper, Total	ug/L	310		-	500	259		130	46.6	-	14	261/5 DI		-
Iron, Total	ug/L	65.800	-	-	54D (0.650)	101/25022	-	4,900	40.0 MD (50.0)	-	MD (50.0)	34D 160 Do	-	-
Lead. Total	ug/L	1,300	-		ARTITATION AND ARTITION AND ART	2.0	-	7.1	SALA LES OF		MD (DD)	380 25 01		-
Magnesium, Total	ug/L	10000			7,500	6.700	-	7,900	7,370	-	8,500	8,090		
		2.000	-	-	ND 15 01	ND 45.7	-	110	ND (S.DI		NEFTE OF	0,090		-
Manganese, Total	ug/L				1601300	NO-COLL		100 (20 A)	14D (70.0)	-	- MD (30-8)	37.0	- :	
Molybdenum, Total	ug/L	280	-	*	240.1.20 to	NEW COLOR		1407 GOOGS	HIS CAN A	-	420 (300)	120 (10 (1)	- :	-
Nickel, Total	ug/L	180		-	HOUSE, DI			NO COURT	FID INCOL					
Potassium, Total	ug/L	28,700		-	1,300	1,060		2,000	1,280	-	1,200	1,190		
Selenium, Total	ug/L	6.6	6	-	NOTED	ND BUS	*	NO (5,0)	MERCHAN	-	HD (S.C)	NU B (I)		
Silver, Total	ug/L	2.5	7		MOTEC!	MUSTO	*	262 (1.2)	MD (100)	*	NUTTE			
Sodium, Total	ug/L	216,000	- 00	*	17,800	14,100	-	7,500	6,300	/4	8,600	7,490	-	
Thallium, Total	ug/L	BD (10.6)	+:	-	MD1300	683 130 5		160 (10:0)	THE HOLDS	*	3423 (11) (3)	1001100		
Vanadium, Total	ug/L	200	*.	-	NEX (BS)	MARKE WY.		NO 15 (F)	HD (S 0)		M1150	101101		
Zinc, Total	ug/L	530	+	4	89	12.0		11	ND CIO DI		11	10.011.00	- 4	
Mercury, Total	ug/L	2.5	16.		MD (0.20)	MD (0.30)		MD (0.20)	MD (0.75)		PEL(0.70)	101110-20-		
6010/7471 Metals Analyses								100					and the same	-
Aluminum, Dissolved	ug/L	1,100	ND-650.01	#60 T 400 (0)	MD GND SV	MIX IED Gr	10.023-5335	P(D-150-D)	MP (50.0)	-	NO 150.01	100/100/01	200	200
Antimony, Dissolved	ug/L	78	-		70(0) (0,00)	MERCO		240 (5.0)	N0 (9.8)		NO-68 (0)	\$400 ES 514	6	6
Arsenic, Dissolved	ug/L	51	7.		A(1) (± (1)	NUT (TO D)	100	MDJDJB	NO ISSUE		MO (5:0)	E(1) (b. 12)	10	10
Barium, Dissolved	ug/L	3,100	70	62	81	74.6	89	97	96.6	82	98	98.2	2,000	2,000
Beryllium Dissolved	ug/L	76EV 27.00			ND (1.9).	NE (ED)		140 (1.0):	10.15.1346		50.13.01	1910-(1-10)	4	4
Boron, Dissolved	ug/L	120			RACE LINES ON	ND-tb0.(c		MD. (50/0)	ND-158-01		MT7.19Q UIL	MD (95 0)	NS'	600
Cadmium, Dissolved	ug/L	NDFEGI			ABH 130)	760 (E.D.		ND-(1.0)	HD (1.0)	-	ND (1.01	RD (1/0)	5	5
Calcium, Dissolved	ug/L	18,400			27,800	25,800	-	26,000	26,500	-	30,600	27,900	NS	NS
Chromium Dissolved	ug/L	8.2			NUMBER	NET 15.01	-	NO this	92(3) (45.0)		10 (S.G)	7457 (6:20)	100	100
Cobalt, Dissolved	ug/L	MD (600)	-		ND (II o)	http://dx.ol	-	ND-55.04	463 (5.0)	1	NET (6:3)	Will (B-D)	NS	730
Copper: Dissolved	ug/L	12			530	247	-	15	48.0	-	1/0 (5.8)	AID (5 D)	1,300	1,000
Iron, Dissolved	ug/L	1,000	51	NO-150(3)	ND (50.0)	ND (50 0)	HD GS 01	ND 450 OI	ND (50.0)	NO 125 01	NET (50.0)	NU (III O)	300	300
Lead, Dissolved	ug/L	49			ND (2:0)	2.4	-	ND:20	3.4		NO (2.0)	2.9	15	5
Magnesium, Dissolved	ug/L	400	6,850	7,080	7,300	6,800	7,130	7,100	7,240	7,380	8,100	7,680	NS	NS
Manganese, Dissolved	ug/L	36	ME-125(0)	ND (25.0)	NG (E.G)	N41 (5.0)	M(2-(28) 30)	加压欧	6.8	MD (25.0)	NET (5.0)	5.4	50	300
Molybdenum, Dissolved	ug/L	230			ND (25 8)	ND 25.5		ND (200)	ND (2010)		NO (20-0)	100-070-09	NS	NS
Nickel Dissolved	Ug/L	21		THE RESERVE	ND (10:0)	9415 (30-0)		NE (SOD)	ND (10:0)	160	NIX (10.0)	ND (10.0)	NS	100
Potassium, Dissolved	ug/L	17100	-		1,200	1,070		1,300	1,290		1,200	1,110	NS	NS
Selenium, Dissolved	ug/L	140.75.01			M(3.45,0)	ND (6:0)		ND (5.0)	ND (5.0)	_	MD (50)	N(J (5.0)	50	50
Silver, Dissolved	ug/L	ND 11.01			NO (LG)	ND (1.0)		ND (1.0)	ND-(3.0)	-	HD II.01	ND / 1.05	100	100
Sodium, Dissolved	ug/L	259000			16,600	14,100	-	7,000	6,510		8,400	7,100	NS	NS
Thallium, Dissolved ¹⁵	ug/L	1922 1 5 22 123			ND710-63	ND (10.0)		MD OF BUILDING	ND (10.0)		NO (19.0)	Am (ID:0)	2	2
Vanadium, Dissolved	UG/L	45			140 45 61	NO LD OIL		363 (5.0)	140775-01		ND (5.0)	-60 (5.0)	NS	280
Zinc, Dissolved	ua/L	15			17	17.5		NO (10.0)	10.4		12	NETTER	5,000	2,000
Mercury, Dissolved	ug/L	100 10 201			ME: (0:35)	MITANO DEP		ND (0.20)	#262 (EL 02%		MD (0.30)	160 10 201	2	2,000
THE PERSON AND THE PE	USPL	10.00		_	1			1	Access to the second		11000		-	-

Page 1 of 5



All Sampling Rounds tH/4H Wellsite

> Dimock Township, Susquebanna County PA

		Reserve Pit					Deep Drinking	Water Wells					Wate	r MSCs
Location	UNITS	Reserve Pit Water			Tap Water			Tap W	ator		Тар	Water	MCL ⁵	MSC ⁴
Sample I.D.	UNITS	01			-05	DW		06	DW		12	-pw	Drinking Water Standard	Residentia Used Aquifi TDS ≤2500
Sample Date		3/23/2010	4/19/2009	10/27/2009	3/23/2010	5/7/2010	4/19/2009	3/23/2010	5/7/2010	4/19/2009	3/24/2010	5/6/2010		
/OCs (8260)		War - Town											Section 1	
.1.1-Trichloroethane	ug/L	NE3 (5.0)			#IO150)	ND (1:0)		14D 15.01	MD-(10):		1401/6.6	MD.(1.0)	200	200
1,2,2-Tetrachioroethane	ug/L	14(1) (1) (1)		-	ND (Ed)	ADITO!		NII GG	MD (TID)		ND 15 W	NELTE DE	NS	0,3
.1.2-Trichloroethane	ug/L	(NE) (E.O)			ND-15-III	ND (1.6)		160 /5 01	NOTE	-	ND (5.0)	ND (1.0)	5	5
1-Dichloroethane	ug/L	. Data co. co.			NO FOOT	10011.00		140 (5.0)	640 61.03		680 (5:0)	140 (1.13)	NS	27
1-Dichloroethene	ug/L	ND IS US			ND (B.D)	ND (TO)		140 (5.0)	NOTE TO		(8812-70-08)	AD (13)	7	7
2.4-Trichlorobenzene	ug/L					10:21:018	V		MDETER			ND (1.0)	70	70
,2,4-Trimethylbenzene	ug/L					ND c1.67			ND 11.01	-		NO (10)	NS	16
2-Dichlorobenzene	ug/L					P401 17.101		-	1805/11-01		-	NO (10)	600	600
2-Dichloroethane	ug/L	21D-15-01		-	\$40.00.00	NO.13.01		#3ft-1%-03	P(0) (1 (t)		3223 25 75	M24.02	5	5
2-Dichloroethene (Total)	ug/L			X		MET CE DI			10.21 (30)			ND GDI	NS	NS
2-Dichloropropane	ug/L	f815-1/6-70		-	HH rivin	1273 LTG		NET (5-0)	160 (1.0)		MD 19705	34577777	5	5
.3,5-Trimethylbenzene	ug/L					(NULLEO)			740 Lt.0v			ND of the	NS	16
1.3-Dichlorobenzene	ug/L					NG (1.0)			MDTLOE			Martor	NS	600
.4-Dichlorobenzene	ug/L					16311.01		-	NOTE (1.0)			MD (3.06	75	75
-Butanone (MEK)	ug/L	140 (100)			NEP-(10, 6)	ND (10.0)		NO CHO ET	NO (10.0)		160 (10-0)	MD (10 ID	NS	2.800
-Hexanone	ugit	7(0) (8:0)			7007 (± 0)	NOTE OF		ND (5.0)	NO HOO		-3417 (16.03	MO/10 0/	NS	5
-Methyl-2-pentanone (MIBK)	ug/L	NO LEGI			ND IATE	8(0) (80.0)		710750	361 (10.0)		NIS-15-19	NG-249 60	NS	190
Acetone (Milbri)	ug/L	32			500 LTD-01	HELL STOLES		NO INCIDE	NG1 Y501.01		ND-110.01	ND Jan D	NS	3,700
Serizene.	ug/L	ND(510)		_	MD (6.0)	-NO (10 to		MD (9.0)	807170		MEN (2.0)	100 (T D)	5	5
3romochioromethane	ug/L	3112.53322			THEFTER	MEN () (I)		7947 (0.07	BD-rt-Or		THE CALL	ND (1 D)	NS	90
Bromodichloromethane		200.000			Last Charles			VIII. 10 10			410 18 40		80°	
	ug/L	ND (SD)		-	- 50D (0:0)	MD110	24	ND4513	50 (1.0)		ND (5.0)	PRESTO		80
Bromoform	ug/L	MD (5.0)	-		ND (Sill)	(50) (1.0)		NO 15 DJ	5D(1B)		NETTER	MD (J. 0)	80"	80
Bromomethane	ug/L	NO 45-91			一种	200 (X ())		\$(1.75-D)	MINTER		NO LINE	1 NV 11 (1)	NS	10
Carbon disulfide	ug/L	ND CS-DI			ND (50)	3(0) (1,0)	18	NO (5-6)	ND (ED)		ND-(5-0)	HD (1-0)	NS	1,900
Carbon tetrachionide	ug/L	10.11.01			NO (0.57)	24 E / T (1)		10.15.01	#ED (3.02)		10.10.01	NO.11-01	5	5
Chlorobenzene	ug/L	ND (SQ)	-	-	HD (5.5)	\$12.00 to		ND 10 01	(T) (T)	_	MIX (9.12)	M3 (3.2)	100	100
Chloroethane	ug/L	MD: (S.f)			ND (510)	ND-(4.0)		ME (SER)	MEI (110)		ND (3:0)	MULTINI	NS	230
Chloroform	ug/L	ACC (EVE)			(10.00)	NULLO		NO (9-0)	1607 (1.0)	-	140/45/03	MO stros	80*	80
Chloromethane	ug/L	7(D) (E-D)		1	NDSER	343 - 1 0)		1111 E5 E1	140 (1.0)		(1912) (01-12)	FID: (10)	NS	3
Dibromochloromethane	ugit	MD(SO)	-		NO15.01	F(D+1)0		MO(15.0)	THE TENEST	-	100.01	(ND (1.0)	809	80
thylbenzene	ug/L	2407.05.01		-	ND 15.03	- HD-0.0(\$4D (8-0)	7 HD/ (1.0)		NO (5:0)	100 (101)	700	700
sopropy/benzene (Cumene)	ug/L	ND (ED)			ND H.O.	5(D (1.fb)	16	PZD1-155-763	FAET-11.0).		140 (S.O)	10.11.01	NS	1,100
Methyl-tert-butyl ether	ug/L					ND/THE	14		1901/11/05			ND ELLO	NS	20
Methylene Chloride	ug/L				-	MERKER	-		HD(10)			HELLIGH.	5	5
Naphthalene	Ug/L					ND:281			MD-(Z.0)			. DELECTE:	NS	100
Styrene	ug/L	WD (5.0)			MORE	140 (10)		NO (5.0)	1415 (1.0)		NO (5.0)	ND (1.0)	100	100
Tetrachloroethene	ug/L	100-05-09			M2 (0.0)	19(2 (1-0)	-	9201-25-01	HD (1.0)		ND: (5-0)	ND CEDI	5	5
Toluene	ug/L	ND (5.0)			MUTCH DO	1407 E 101	14.	ND 35(0)	NDIT NO		NERSON	NOTE IN	1000	1000
Trichloroethene	ug/L	2412.(5),(1)	-		N(0.65(0)	NO (LO)		2(07:19.0)	ND-(1,0)		NDEED	THE (T.47)	5	5
Anyl Chloride	ug/L	ND 12-91			ND 12-91	MD 81 0)		AD UZD	ND (10)		ND (2:0)	19.11.03	2	2
Kylene (Total)	ug/L					100 (2.0)			HELIBER			NE133)	10,000	10,000
is-1,2-Dichloroethene	ug/L	ND 35.03	-		ND IS DE	ND (5,0)		MEX (% d)	MIRITAR		NEIST	hirri Or	70	70
is-1,3-Dichloropropene	ug/L	WD (8.0)			ND (5.0)	ND(10)		ND (E-0)	ND-CFO:		ND 15-DI	NOTE DE	NS	6.6
n&p-Xylene	Ug/L	1909 / 1 0 200		100	ND 110-0s	nt) (2.0)		NO DESCRIPTION	10012-01		MO-THO OV	MENZIE	10,00010	10,000*
n-Butylbenzene	ug/L	NO.15 0:			HD (5.0)	AD LUB		NO (5.0)	7/(5/15/0)	A	ND (8.8)	1903 (1.03)	NS	1,500
n-Propylbenzene	ug/L	NO (5 d)			NO (ED)	ND.(1.0)		NO 15 01	MD (1.0)		NO (5-0)	NO: (3:0)	NS	1,500
o-Xylene	ug/L	tri2 (5.0)			ND (E.O)	76D (1.6)		8/0 /5 (t)	ND-17.01		16D (3:0)	146 (1 to)	10,000	10,000
p-Isopropyltoluene	ug/L	14D (5.0)	_		1402 (5.0)	MD. (10)		163.65 G	485 (1.0)		NTF (0:0)	4407 (1.0)	NS	NS
sec-Butylbenzene	ug/L	NO (6.0)			MD 15.01	ND (1.0)		NO (5.0)	NEXT TO		PARTO DA	ND (10)	NS NS	1,500
trans-1,2-Dichloroethene	ug/L	14C3 (5.0)			NID (5 D)	MD (1.0)		ND 15 (0)	ND PUS		NOTE (Series	NO 11-DY	100	1,000
trans-1,3-Dichloropropene	ug/L	NO (5.0)		_	ND 15.09	MET (1-0)		MD 15 01	ND (1.0)		PAD 15 (0)	#E0 / 1.01	NS.	6.6
mana-1,0-branchuptopenia	ugit	1992 (17-12)			DM(45/0)	14471177		1967 (St.)43	Per (F.G.)		1767 [77/0]	1867,531	(45)	0.0

Page 2 of 5

Table 3
Analytical Results
Deep Drinking Water Well Sample Summa
All Sampling Rounds

Dimock Township,

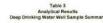
		Reserve Pit					Deep Drinking	Water Wells					Wate	r MSCs
		-					-						MCL ⁵	MSC*
Location	UNITS	Reserve Pit Water			- Tap Water			Tap Wa	ater		- Тар	Water	Drinking	Residentia
Sample I.D.		01			05	-DW		-06	DW			DW	Water Standard	Used Aquil TDS 5250
Sample Date		3/23/2010	4/19/2009	10/27/2009	3/23/2010	5/7/2010	4/19/2009	3/23/2010	5/7/2010	4/19/2009	3/24/2010	5/6/2010		
PAHs (8270C SIM)														
Acenaphthene	ug/L												NS	2200
Acenaphthylene	ug/L												NS	2200
Anthracene	ug/L			4		- V		1					NS	66
Benzo(a)anthracene	ug/L							-					NS	0.9
Benzo(a)pyrene	ug/L												0.2	0.2
Benzo(b)fluoranthene	ug/L									-			N5	0.9
Benzo(g.h.i)perylene	ug/L												NS:	0.26
Benzo(k)fluoranthene	ug/L												NS	0.55
Chrysene	ug/L												NS	1.9
Dibenz(a,h)anthracene	ug/L				/						-		NS	0.09
Fluoranthene	ug/L										-		NS	260
Fluorene	ug/L		-										NS	1500
ndeno(1,2,3-cd)pyrene	ug/L												NS	0.9
Naphthalene	ug/L												NS	100
Phenanthrene	ug/L										-		NS	1100
Pyrene	ug/L												NS	130
SVOCs (8270C)														
1.2.4-Trichlorobenzene	us/L												70	70
1,2-Dichlorobenzene	Ug/L												600	600
1,3-Dichlorobenzene	ug/L			-									NS	600
1,4-Dichlorobenzene	ug/L												75	75
1-Methylnaphthalene	ug/L												NS	NS
2,4,5-Trichlorophenol	ug/E.												NS	3,700
2.4.6-Trichlorophenol	ug/L												NS	11
2.4-Dichlorophenol	ua/L	-											NS	20
2,4-Dimethylphenol	ug/L												NS	730
2.4-Dinitrophenol	ug/L					-							NS	19
2,4-Dinitrotoluene	ug/L												NS	2.1
2.6-Dinitrotoluene	ug/L				-		-						NS	37
2-Chloronaphtha/ene	ug/L												NS	2,900
2-Chlorophenol	ug/L												NS	40
2-Methylnaphthalene	ug/L												NS	730
2-Methylphenol(o-Cresol)	ug/L	-											NS	1,800
2-Nitroaniline	ug/L								-	-	_		NS	2.1
2-Nitrophenol	ug/L												NS	290
3&4-Methylphenol(m&p Cresol)	ug/L												NS	180
3.3'-Dichlorobenzidine	ug/L								- 1		F		NS	1.5
3-Nitroaniine	ug/L												N5	2.1
4,6-Dinitro-2-methylphenol	ug/L												NS	5
4-Bromophenylphenyl ether	ug/L												NS	5
4-Chloro-3-methylphenol	ug/L										-		NS	180
4-Chloroaniline	ug/L			-	1	-	-	-		-			NS	150
4-Chlorophenylphenyl ether	ug/L								-	-			NS	5
4-Nitroaniline	ug/L					- 7							NS	2.1
4-Nitrophenol	ug/L										-	-	NS	60

Page 3 of 5



		Reserve Pit					Deep Drinking	Water Wells		v1				r MSCs
Location	UNITS	Reserve Pit Water			- Tap Water			Tap W	ater		- Тар	Water	MCL ⁸	MSC*
Sample I.D.	UNITS	01			05	ow		-06	DW		-12	-DW	Drinking Water Standard	Residential Used Aquife TDS \$2500
Sample Date	1	3/23/2010	4/19/2009	10/27/2009	3/23/2010	5/7/2010	4/19/2009	3/23/2010	5/7/2010	4/19/2009	3/24/2010	5/6/2010	1	
SVDCs (8270C) continued); — ·												1
Acenaphthene	ug/L						1						NS	2,200
Acenaphthylene	ug/L												NS	2,200
Anthracene	ug/L				-								NS	66
Azobenzene	ug/L						-	-			-	-	NS	NS NS
Benzo(a)anthracene	ug/L											-	NS	0.9
Benzo(a)pyrene	ug/L								-				0.2	0.2
Benzo(b)fluoranthene	ug/L												NS	0.9
Benzo(g,h,i)perylene	ug/L							-					NS	0.26
Berizo(k)fluoranthene	ug/L			-									NS	0.55
Benzoic acid	ug/L												NS	150,000
Benzyl alcohol	ug/L		-			-							NS	11,000
bis(2-Chloroethoxy)methane	ug/L						741						NS	5
bis(2-Chloroethyl) ether	ug/L												NS	0.13
bis(2-Chloroisopropyl) ether	ug/L								1				NS	300
bis(2-Ethylhexyl)phthalate	ug/L					-		-					6	6
Butylbenzylphthalate	ug/L								-				NS	2,700
Carbazole	ug/L												NS	33
Chrysene	ug/L												NS	1.9
Dibenz(a.h)anthracene	ug/L		-										NS	0.09
Dibenzofuran	ug/L									-			NS	5
Diethylphthalate	ug/L												NS	5,000
Dimethylphthalate	ug/L												NS	5
Di-n-butylphthalate	ug/L												NS	3,700
Di-n-octylphthaiate	ug/L												NS	NS
Fluoranthene	ug/L												NS	260
Fluorene	ug/L	_							_				NS	1,500
Hexachloro-1.3-butadiene	ug/L												NS	1
Hexachlorobenzene	ug/L												1	1
Hexachlorocyclopentadiene	ug/L							1					50	50
Hexachloroethane	ug/L												NS	1
indeno(1,2,3-od)pyrene	ug/L							1					NS	0.9
Isophorone	ug/L												NS	100
Naphthalene	ug/L												NS	100
Nitrobenzene	ug/L												NS	18
N-Ntrosodimethylamine	ug/L												NS	0.0031
N-Ntroso-di-n-propylamine	ug/L												NS	0.0031
N-Ntrosodiphenylamine	ug/L												NS NS	130
Pentachlorophenol	ug/L												1	130
Phenanthrene	ug/L												NS	1,100
Phenol	ug/L												NS	4,000
Pyrene	ug/L	-	-						_				NS	130
Z-JIVIII.	Jar	_								_			NS.	130

Page 4 of 5



		Reserve Pit					Deep Drinking	Water Wells						r MSCs
Location	UNITS	Reserve Pit Water			- Tap Water			Tap Wa	nter		Тар	Water	MCL*	MSC [®] Residen
Sample I.D.		D1			-05	Dw.		06	DW		12	DW	Water Standard	Used Aqu TDS ≤25
Sample Date		3/23/2010	4/19/2009	10/27/2009	3/23/2010	5/7/2010	4/19/2009		5/7/2010	4/19/2009	3/24/2010	5/6/2010		
Seneral Chemistry														
H	pH units	10.44	7.13	7.39	7.41		7.85	7.74		7.29	7.82	+	6.5-8.5	6.5-8.1
PH-DRO	mg/L												NS	NS
TPH-GRO	mg/L	-			-								NS	NS
Oil and Grease	mg/L												NS	NS
PH	/mg/L		-				-			-	-	-	NS	NS
Acidity	mg/L.					-							N5	NS
Alkalimity	mg/L					-						-	N5	NS
Ammonia	mg/L				-		-						NS	NS
Ethylene Glycol	mg/L												NS	14.0
ISS	.mg/L	1745	MD (7.8)	ND (2 O)	NO DILL	8.0	解原质	51.0	10.50 (316	ND G St	1807 (510)	ND (R O)	NS	NS
rds	mg/L	1333	180	170	127	145	104	107	111	140	133	201	500	500
Sulfide	mg/L	ND (20)	NO FERR	ASSESSED.	NO: I LOW	FREE 00	NO LESS	JND (137)	\$4E343.E3	MULTER	MD-1100	THE D-10	NS	0.005
MBAS	mg/L	NZ3+(0.405)	\$62 KG 5021	NO WISE	HELIP TOTAL	100 (0.10-	NO (U.Set)	NE SEBARI	HOUSE NY	ND 17 SZ	345 12 100s.	NO. 12 123	NS	NS
Chloride	mg/L	302	44.3	27	37.9	30.9	4.28	6.27	4.5	5.3	6.72	5.4	250	250
Total Coliform (SM ₂₀ 9222B)	cfu/100 ml	10,000	NO 1939		1001156	100 (1.0)	760 (719)	800 (C.0)	WORLS OF	NO-ITE	NO IT OF	MD (T II)	0,,	NS
Fecal Coliform (SMu9222B)	cfu/100 ml	. *	-			600 (1:0)	4.	+	1459 / 1 Co			NO (13D)	011	NS
Fecal Coliform (SM-9222D)	c/u/100 ml	6.400	Nep-11th		360-(1.28		NO (1.0)	RD of Bu	-	500 41 61	NO IS NO	-	0"	NS
Fecal Strep (SM ₂₀ 9230C)	cfu/100 ml	0,100	-			HELIT DE		-	NB.ITE	-		MSHID	0"	NS
■ ND (S. 0) = Parameter not de ■ Too numerous to count ■ Too numerous to count ■ No Standard ■ Primary Federal Maximum C ■ Statewide Health Standard r ■ Values from 25 Pa Code Chr Values for bacteria (coliform) ■ As Total Inhiomethanes ■ As Total Inhiomethanes ■ MCL Goal (MCLG)	entaminant Leve esidential, used apter 93.8, Table i, chloride, TDS.	el (MCL); Second aquifer (TDS <26 s 5; values assum	ary MCL applied 00 mg/L) Mediu ie a pH of 6.5 St	when primary N m-Specific Cono J and hardness of	entrations (SHS of 100 mg/L, who	R-U MSC, 25 PA			for chromium	ur,				

Page 5 of 5



Location		Reserve Pit Mud		SR.	29 Upgradent S	lump	SR 29 Down	gradient Sump	Storm Culvert	_		Storm Culvert Stream*	Upgradient St	mam Location*	Downgrad	ierit Streum ation*	Seen Down	radient of Mes.	SOIL.
roje I.D. (Field)	3/23/2010	2H4H- R P/T S/1/10 1 00 PM	2H/4H R PKT S/1/10 1/20 PM	3/24/2010	5ed 5/7/2010	Sump-died 5/8/2010	3/24/2010	5urep-Sed 546/2010	14-20 3/25/2010	SR29E- CUL-Sed 5/6/2010	3/25/2010	5/6/2010	2H-15 3/25/2010	Sed 5rt/2010	3/25/2010	Downstream- 5/6/2010	2H-2Z 3/25/2010	Somp-Sed M7/10	Residential Use Aquifer MSCs
eral Chemistry Analysis pert Mosture (%)	22.5	75.5	67.6	90.5	22.9	15.3	36.7	29.7	39.2	25.5	46	35.4	43.7	43.2	38	53.0	86.7	82.7	165*
	LID CEA	109	177.15	ACIDITAL	XD:CED*	_142 (±) N	10.60,00	17.1	NO DESTR.	THER (15-4):	_HEIGH.III	1831.03.0	A0125 R	145(51)41	342-C5771-	7/5137/10	881729 36	Hnlr.vi	100
KS (mg/L)	13.9			3.23	600 (CR)	P(0101.150)	7.58	3.0	7.38	0.11	10.4	3.3	16.1	0.5	17.8	4.1	30.3	5.2	NS NS
V/471 Melan Analyses	A STATE OF		The second second		-					- Walter						-	-		
TWILITE	16,774	14,800	14,500	0.92	16,200	10,000	0.70	9,160	8,931	9,560	13,241	13,500	9,940	14,100	6.024	19,400	9,660	17.800	150,000
nery	15.9	19.3	22.5	20.2	21.8	11.0	7.1	5.0	8.6	8.1	9.8	10 1	6.6	12.5	45	12.8	15.8	23.8	12
in .	2,552	37,500	19,700	526	145	123	235	19.8	212	369	639	485	64.4	39.1	4.5 87.6	152	625	23.8 3,230	8,200
/Sum:	180 (14.7)	26.2		0.78	7.8	5.0	0.52	7.1	6.9	7.0	0.51	10.4	NO. 25	7.9	1861 (0.3d)x	0.89 11.7	902 (D.T.)	A010 55+	310
mute	HOEAL-	1.1	1.0	0.41	1,957 (0,1%)	167-6-16	10 (0.15)	1607/3/30-	963 (O.11).	HC-30-11-	1001024	HCF III.Jeep	2011 (4.36)	75013 945	F45 (5.2%)	942516 ADL	- 1012 (45.9-67	19035-970	60 38
ium	28,387	17,400	20,300 37.9	2,697	2,130	11.5	6,967	13.2	5,639	12.1	2,333	2,230	9.7	2,230 12.1	5.2	1,630	3,093	7,220	NS 190000 ⁶
an munt	29.5	14.0	11.0	10.1	9.7	88	95	7.5	83	8.6	10.6	10.2	5.0	8.3	57	16.2	9.0	16.4	190000
ger	61.4	64.6	87.9	29.0	23.2	18.9	24.0	26.5 te.500	15.1	15.7	21.5 22.778	21.6	10.3	23,100	13.000	34,200	15.9	38.5	8,200
4	30,065 523	25,700	25,200	87.4	502	16,800	23,381	18.1	24,836 18.1	20,900	22,778	22,900 40 fr	18.1	23,100	13,000	34,200	19,189	28,200	66,000 450
nes-am	7,355	4.490	4.700	2,762 1,864	3.800	3,150	4.139	3.260	3.191	3.560	3,204	3,150	1,748	2,400	1.543	4.450	1.829	3.230	NS
garese ybdenum	566	551	577	1,864	601	561	622	372	715	707	1,057	1.020	457	805	1,288	953	769	2,316	31,000
ybdenum	40.3	20.1	22.3 48.4	16.1	19.2	16.9	18.5	153	10.4	10.7	18.5	17.6	6.2	11.3	8.5	26.7	11.6	24.2	850
Panium	4.142	4.900	4.370	1,591	1,470	1,090	1,431	1,270	1,342	1,300	1,439	1,930	1,026	1,410	1,238	2,140	1,057	2,090	NS
econs	45556	0.60	0.69	0.97	0.52	0.23	1.0016.4	10.636	0.61	0.22	0.63	0.91	0.69	0.45	0.57	0.99	0.84	13	26 84
NF SHAPE	340733.3430	4.350	2,730	2011/01/27	Heli Ister	023	SERVICE:	THE CASE	107.121.12	MALE THE	10/1/10/2	100 1144	1000	102,440	567 17.16	191111900	1000000	THE STREET	9265
dium	1001109	40.1	167743.91	19.3	100,311	11.3	15.6	10000	15.0	12.9	16.7	19.3	15.5	1077734	8.5	25.4	201	1011-7-	1,500
nadium .	139	138	42.6 16.2	19.3	202 131	55.3	97.2	13.5	15.0	12.9	185	179	62.2	22.4 77.8	73.6	132	80.1	35.5	12,000
roury	0.15	922 DE # 15	100 AL 100	SERVICE STREET	- 165235 F.M.	1020	WORLS.	1901-20 641	165 (0 GHC)	UP-33, 141	TROWN THE	1/15 (0.19)	40,030	143 50:571	MO BUILDING	THE I	40001011	12 PER	10
Ca (#2608) Nn4	3.6	1.70		0.471	0.500	0.101	0.137	0.0896	0.204	0 137	0.333	0.397	0.342	9.359	0.638		0.426	1.590	370
Zene	40	NATION SEASON	100 May 14 May 1	rgollense.	10100	0.001	0.147	HE TO SHEET	17.50	100000	40 4165	100000000000000000000000000000000000000	1000000	F63 (0.000)	40.00	128 (635)	101011	Tel History	9.6
mochioromethane		100 (11941)	2017/2018		DESERT.	ADDITION.		No to bear.		121/0.0000		1. HET 01.300M		240 X 1085				_ 1511 to 1210 to 1	9.0
modichipromerhane moferm	AL	100 S Mari	MET OF THE SEC	MARKET AND	2000	MINISTER STATE	1014120	10000	District to	AND STREET,	ALC HOUSE	No. of Street	40.70.00	THE PERSON	101107-018	FET 200 TO	10010011	100,000,000	10
momettane	100000	HE STATE	MC 6/27/50	85[100-618]	18.7 (2.180.1)	100000000000000000000000000000000000000	140, 12 (44)	860/8 00HK	ALC UP SAFE	+6157-50195	140 20 0000	107 (0.000)	10100313	ALMON.	78(1×018)	AUGUSTIC	9010316	1,90 (2:57%)	1
TAL RITEX		19514169	0.0652	0.055	0.0433	MEDIANCIA.		0.0410	-	0.0141	1000000	0.0292	0.024	0.0419		0.125		0.115	50S 280
utytoerzene	W10 100	MINTER!	0.0355	0.055	0.0433	10211	RE1588	00120	BO CONTRACTOR	0.0141	100 H 100	0.000	0.004	0,0419	RESULTA!	0.125	THE SHAPE	U.110	950
Butybenzene	457,5556	0.106	0.0344	HOSERIE.	CHU MINTS	34730.0911	Sec. 15.00m	LINE SHIFTIEL	140 2000	120 VI 2012	HCL(0) (999)	- HELDER ST. 1975-1	No. of States	10723 85591	Violet (1)	THE PERSON	143,30364	10.7(10.9)	350
tion disuffice tion tetrachloride	0.002	- HERDRING	0.0430	MCITTAGE	ALC: CALCA-	793-22-365-0	CONTRACTOR OF THE PARTY OF THE	10 cm/s	100 (E.Clin)	0.0108	0.015	0.0214	100 07 0427	1011 of Arest	100 III (214)	0.0157	HS1-694-100	0.104	190
crobenzene	HER ELEMEN	100000000	A011 (35)	1011034	CROPINE.	40112 (531)	150 YEDRI	William United	10 = 100	110000	10.000	142.11 (2040)	40 G 155	(ALT/2018)	AND RESERVE	12.03131	110,20011	30,3(3)(1)	10
proethane proferm	1011104	THE STREET	-3811/12/180	Manak	E NO MACE	1.440, sh 7050;	A57.02.031	HD III XMED	162 (2.000)	1677/23/959	121 A-100	PETRICIA.	32170335	VC10.000	West Control	307 (1217)	1,692 (0.010)	2016 1975	22
promethane	121 5 944	THE PERSON	1722332550	100100.914	10000	121 / 600 0	427 St. 100.C	Het Teges	10: 15: 15: 15: L	20110	Titl to dead	12000	100.00	FEET STREET	123111	1 42 5 3 3 5 1	100000	10211	0.3
vomochioromethane	-NOTENA-	26135 F411	relia location.	ACCURATE.	SALKSTON.	367-91725531	NO 9.84	Will Street,	NO STODE	16 Little	107 (6.70%)	12 (1 120)	161 2-311	A41 (1.152m)	HELECON)	46 (4.1140)	1,180,0886	381/633780	10
Dichlorobenzene	-	HD-01-06111	122.3.0196	-	1921-2011-15- 100-51-0014	1010-001		100 00 00 00		S10000		20101000	_	NI-3130331	-	A PERSON		16567574	60
Osthorobenzene		10711015	7 10 11 270-		1907 (520)	90 V.8931		143 11 6/50		12.030		1907/4 (6/47)		100 100 100 100 100 100 100 100 100 100		9000		16223326	10
Dichlorsethane Dichlorsethane	- (103.01.004)	(District)	H221X1101	10112374F	100 20 12 12 13	140 30 05411	AD (5.195)	E L TOP	1977 7711	1. HI ID 2006	100000	This property	10.6911	NO IN SORT	TE Cart	C481 112-17	15 BHL	16241	9.7
Dishlomethene (Total)	162 J. 1684	90 A 190	1000710	AD STREET	- BISHIE	ME 2012	NO. 12 (3.25)	100 Mari 15	400 M 100 M	101 10 00 10 to	100 to 400.	100 M 27 M	90-27-1123	100000	the E TIME	10000000	*Boshirth	10000000	NS
Dichlorpethiene	Net 57-20%	(CILIAN)	(NO.1230)	501,0350;	NO DINOCE.	1 NO 81 257 G	FILS.50%	AC 613M	2015/201	197.016le.	10,035	NICOS SONO	1.76,5115	12371	- Million College	125/13/2017/01	JED EVEN	A MANUTON	0.7
1,2-Diczioroethene n-1,2-Diczioroethene	1975-999	IN THE R	A110.1180	NO15316	100 mm/c 14	(B) (0.252 I)	MO/07 2002	ME NOTES	10 10 mm	400 M 2000	100 S (8%)	TEST SORE	NO SOUR	1073 of 20030-	THE PERSON	1 60 SUITE	AET (C. 21%)	100000	to
Dichipmeropane	107000	107 (1 (4 (5)	10000	161212140	- 50 GOME	TE GEST	1070.59	18/19/200	1011 av	DID STREET	57.0155	301 H.J.SAE	1200.00	14010000	109111	40.50	10 150	18000	0.5
1,3-Dichloropropene s-1,3-Dichloropropene	140 0 104)	DESCRIPTION OF THE PERSON OF T	105925	100000	100,000,000	10.5 6010	. 100 JA 100.	10111-3259	IND HI KOSII	10 6 70 18	10 11/25	16.150	10103311	167 17 1000	MC-(2.51)5	10.73111	50 8115	25 (617)	0.66
ns-1,3-Dichtoropropene lyfbenzene	110-3100	100 0000	0.0256	RESULTED	10 100	100 01 900 1	10.000	ALC: NO	40 E S.E.	NO MORE	NO SEE	100000	1 40 3.00	1 HO 27 HOPE	- March	195380	TIP STORE	100000	
MOTALE	10706	140,000	Little Committee	155,71590	187.01111	10 (0.000)	THE PERSON	140,0710	LINE DI POL	100 (0.00)	147.77 (10)	ADDRESS	180 0.000	303.000	100 10 100	100000	HITODAL	(B) (B) (C)	70 100
propythenzene (Cumere)	0.004	0.260	9.9293 9.9637	150 pt 1-6	W13510	NG 31 (9957)	16171766	100 19 10 10	167 (300E)	10000	161 (c) (310)	100 10 100 100	103100	SECTION AND ADDRESS OF THE PERSON ADDRESS OF THE PERSON AND ADDRESS OF THE PERSON AND ADDRESS OF	100 NOTES	100 0000	180 SEC. 015	10 1110/5	780
opropyfoluene Hylene Chloride	2.001	\$40,50k2/5	PER COUNTY		100 DULLE	1237136623		THE PERSONS		HU III DOWN		1500000		10.113891	-	NORHIN		160 S-8174)	0.5
hethyl-2 perdanone (MIBH) hyd-tert butyl ather	402.000	NO VINELL	0.068	40,000	101.07.000	543 21 S1S25	- Minimum	HB/200418	422.6E 6.FS	140 92 41 7 10	A6) (Clime	417,000,01895	NO. Y FOR	1150 15,01100	30 H 17th	100 000	M2-18-19-E	16,639,55	19
hthalese		19617574111	0.0495		THE STREET	HELD WAY	1	16010.000	1	10 - 1 60 may		No. of Contract of		1921 10, 60411		NO ETTA		10.000	25
ropybenzene	190 A GIA	1000000	0.0292	360-5310	100,000,000	10 / 3215	- RD (0.100)	ACCUSED OF SERVICE	1031100	HD at assistance	10 7000	10000	100 (57%)	161-0 (044)	140 (0.81%)	160 (01/01)	163808	367.6-3378;	290
ne 2.2 Tetraphismethene	15/11/00	AND ADDRESS	100 (0.01)	4000000	50 A 50 T	10 0 0 0 0	100 (000	100 / CAL	1011101	TO AT THE	200 mars	10.3 5.40	NO. STATE	400 pt. 10000	1000000	APPLICATION AND ADDRESS OF THE PARTY NAMED IN COLUMN ASSESSMENT OF THE PARTY NAMED IN	100 0 0 0 1 1	Indiana.	0.03
achietaethene	161 0 000	0.101	0.037	36 0.00	207113093	10,3131	100,000	100 10 10 10 10	107 19 1955	NO PLETON	ED (5-90)	ACL IS SOPRE	100000	YES IS ASSESSED.	16376.354	NG BYR	90, 6-116	10 12325	0.5
aene 4-Trichigrobenzene	ND ED SHIP	100 000 00	0.0158	1410 (0.014)	- IDBARN	10111251	3000 600	0.0410	MOSEDORI	HELD COLS	0.026	0,020	10/15/9125	10.0000	20100000	1,103,111	MI-WOLL)	50-310776	100
1-Trichlomethane	1903/75047	50 ST24011	100 00 0000	THE REAL PROPERTY.	10.00016	76G 00 00 00 0	NET SETTING	1,167-11,16524	19000 8000	NO SCHOOL	MIRRO	50 0 00mm	1000000	10 6 86	19250.014	34(31)(2012)	101 (0.510)	TRUMPA.	20
2-Trichloroathana	11500000	100,000,000	-40 S 0165	780 25 713	125 (2.621)	NO.46.905 IS	HS.(6) (00)	NEIGH REAL	100 March 1985	1075 6065	M. 35,600c	3213,000	10.220	1401.60 5000	35 (CHIL)	453777	A22 YE 6-190	100112010	0.5
hioroethene 4-Tomethyloenzene	NO BURNE	0.899	0.291	40 8.040	100 to 10	100 to 903 to	10.0000	100 0 7000	10 (11/8)	(40 KG/C)	NO BURNO	1823 H 00000	WIND SATE	100121030	(4代) 田(24)	NO HITCH	ACT OF SELECTION	10000110	0.5
5-Yometrytheoriene		0.475	0.125	-	NO BURIEFY	10.3257		1000000		50.61834		10550000		100 31 5095		700000		WEST 0.794	2.8
yl Chloride	1.00000	1 500 (0.050.00)	0.181	50 (0.614)	180 18 05753	10/1/02/5	100 8.00	40 g 854	SOUTH STATE OF	NO CONTR	HONDER-	-11CL (3, 50081)	160 6110	ND IS SURE	1,500,000,000	MORPHI	, All 8216	1015,035()	0,2
ene (Total) p-Xylora	10000	0.236	0 181	400 to come	182 H W.H.	197 (F.011)	100000000	NO IF THE	-	ND 19 9773)	male	ACT IN THE	100000	ALC: U. COM.	30.01	1000000	Management of the last	150 1 CE	1000 1000 ⁶
P-Oyers Form	100000000000000000000000000000000000000	0.119	0.0709	100 (100)	18515 9375	160 T 000 N	100,000	1877-15 30760	NOT STREET	48179 5756	Tan Manie	501 Tr 60121	THE REAL PROPERTY.	185 25 0.080	100 31 3101	6601410	40.000	100,000,000	1900

Page 1 et 2



Location		Reserve Pit Mu	d	SR	29 Upgradient S	ump	SR 29 Downg	pradient Sump	Storm Culvert	East of SR 29	Field between and S	Shorm Culvert tream*	Upgradient St	mem Location*		lent Streets stion*	Seep Downgr	adject of Mex.	SOIL
emple I.D. (Field)	-02	2/94H	2104H	29-10	Sed HD-	Sump-Sed	14.00	Sump-Sed	94.25	6R29E- CUL-Sid	244-58	Field	294-15	Upstream- Sed	214.17	Downstream	196-22	HO Samp-Sed	Residential Us
mple Date	3/33/0016	ACTURATION DAY	5/1/10 1 20 PM	3/24/2010	5/7/2018	56/2016	5/24/2010	5/8/2010	1/25/2015	56/2010	3/25/2010	5/6/2010	3/25/2010	58/2018	3/25/2010	SW-2010	3/25/2010	1/7/10	Aquiter MSC
CCe (#270C)	- SECTION	10-1110-1,007-1	Charle Land Car	3242015	00.00000		-	-	-						-10-14-1	-			
enaphthene		oth w tools	1 - Mr. C. T. S. L.																2,700
enaphthylene		1074-0403	120 17 12 12																2,500
dhracana - dhracana		10014040	100 100 100																350
openzene oppenzene		1927 (4 246)	500 50,010						_										NS.
	_		100 11 000	_												_			25
ento(4)anthracene		-16D N 0401	140 11 54211													_			25
into(a)pyrene		127 (4.540)	MULTIPAL										_						25
ento(b)fkyoranthene		105 (8.040) 105 (8.545) 105 (8.940) 100 (8.0 (8.0	140-122400																25
enzolg h (perylene		16114.580	160-10-540-								_						_		180
enzora (fluoratrihane		III) 14-2401	HED CS 64453	-					-			-	-		-				
enzoic Acid		1101117730	100117.111051									-							15,500
entyl alcohol		1016240	1000385	-			-			-								100	1,100
Bromophenyshenyl ether utybeszylphthalate		100.14.2401	C 100-(12540)																NS
uh/benzylphthalate	1.0	18274242	F 760 52 9461											_					10,001
artiezele		TABLES DESIGN	1411111111	-	-														21
Chion, Limetry Inhenol		00-14240	CHARLES										-						NS.
	-	740 (4.540)	Marity etco.																20 NS
st2-Chlomathoxylmehare		7450 in Unity	40'0345																NS
s(2-Chloroethoxy)me hare s(2-Chloroethyl) ether		100193001	1073 173 1794 17																0.913
s/2-Chlorosogropy) ether		1 600 0 500	100 TO GREET																10
-Chlomnaphthalene		100 10 000	100.00.000																6,200
-Dioropterol		100000	20,11,010																44
Chlorophenylphenyl ather	_	- Best of a	100 /4 100	_					_				_	_		-			NS
hrysene hrysene	_	NOT BUT	THE COURT						_			_	_	_		_			230
	_													_					2.5
banzia hjanthracene	-	. 955/JURES	04(1)(13944)																NS
berizofuran		907/4-7905	1402 (3.041)																
2-Dichlorobenzene		1,301/00415	14711 0401																40
3-Dichlombenzene		1201000	1 1007 (2700)																61
4-Dichlorobenzene		1 PELL 1991	THE CONTRACT	-															10
Y Ochiorobenzidne		193 /9 Diffs	1000000																8.3
& Dichlorophanol		16054.00	12213 22000									-							2
iethylphthalate		1.0020000	100000000000000000000000000000000000000																500
4-Omethylphenol	_	10111345																	73
intethylphthalate	_	METAL COLUMN	-	_		_	_						_	_					NS
And and additional and a second	_	10 Chris	1000000	_			_	_	_	_		_	_	_	_				115
3-n-butylphthalata 6-Cimbro-2-methylphenol	-	-	-				_			_			_	_				_	515
Ordenda Study Abutana		- The same	100					_	_	_		_	_	_		_	_		1.9
4 Cintrophensi	_	755 100 100 100 100 100 100 100 100 100 1	410000	_	_	_	_	_	_	_	_		_			_		_	0.25
4-Ontesiciuene		16010630412	152 (1.8 %)					_			_	_	_					_	3.7
6-Dintrossueer		- HIGH 1/4TO	197117,3867																8400
h-e-octytehehalate		20211115	261 1 2 4 1				_		_										
xs/2-Etrythexyllphchalate		- MC115.2301	200 5 4149																130
kuoranthene		760 14 1981	LABOUR RECO.									_							3,200
Juprierie		757 14 3145	1. PM.113 P.CU																3,000
skachlors-1,3-butadiene		10111.065	100713.0002										-						1.2
exact/forcoenzene		16114.381	MINISTER .			-			1	-									0.96
exachiorocyclopentasiene		HISTORY GATE	40 H 240																91
lesachtoroethane	_	26/11/24/2	702137440									-							0.56
odeno(1,2,3-od)pyrene		12011111	401 11 796																26
roehorine	1	1607.00 9400	101111111111							-									16
Methylnaphthalene	_	120111	10/2/17/04/0			_													NS
Methylnaphthalens	1	101112-0011	45777 745																2.900
Methylphenol o Cresol)	-	100 18 3010 407 W 1401	100111000	_	_	_	_	_	-	_		_	1	_		_	_		180
&4-Methyphenolom&p Cressio	-	100.75 (40)	1811 187	-	-	_	_	_					_	_			-	_	190
an monyphenoromap Cresto	+	100,000	18737 1975	-	-	-	-	_	-	_	-	_	-	_			_	_	25
aphthalene	-	100,31,0451		-	-	-		-	-	_	_	-	-	-		-	_	_	0.21
Netroamine		ACTIVITIES.	-323 (2 mile)															-	0.21
Ntroanline		F-1953 (18,100)	2007 (1.0 SEE)							-									0.21
Ntrganiine		262 (19, 0)	10017.9903																0.21
matenana		197118-0461	9011980																1.8
Nitrophenal		10 H DIES	140-11 (140)																29
Nerophenol		NG144 6AC-	34241-880		-														6
Nitroandmathylamine		100 11 300	122597000																0.00031
Nitroso-di-n-propylamine		20 KAE	11517345									-							0.0094
Managanahanuluming		1000000	40077100																20
Narcsodiphenylamine entechlorophenol	_	10071717190	1077.000	_	_	_	_	_	_				_			_		_	
henanthorne	1	700 W MC.	1101111111	_	_	1			1				_			_			18,000
henox	-	77.77.77	4 E L3 D401	_	-		_		_				_	_		_	_		400
	-	70.00	TID CT D401	-	-		-		_				-	_	_	1	_		2,200
yrene 24-Trichiorobenzene	-	12/0.1/016	HQ33 9651	-	-		-	-		_	_	-	-	-	_	-	-	-	2,200
Z-4-1nconpropenzans	-	THE PART OF THE PA	- NO.J. (MS)	-	-		-	-	_	-	_	-	-	-	-	1	_	-	2,300
4.5-Trichlorophenol		MODITE (O)	PROAT.856											-	-			-	2,300
4.6-Trichloroghenal	1	110 (4 D40)	100 KT 040V	1		1	1												1.1

AS resurts in miligram per kilogram (mg/kg) unless otherwise stated.

ND (25 ti) = Parameter not detected at the detection limit specified in pan.

* Medium Specific Concentrations (MSCs) were established from the Residential, Used Aquifer with TDS < 2500 MSCs Soil to Coundwater Numeric Values listed in Appendix A. Table 3 and Table 6 at 25 PA Code Section 250, Administration of the Land Recycling Act (Act 2) regulations.

"NO Standard
"*Un-named ottutary to Burcick Creek
"*As total sylenes.

Page 2 of 2

Table 5
Analytical Results
Pre- and Post Remodistion Confirmational Soil Sample Summar
Reasere PK
Bosel Wellste
Direct Township
Streambrish County

Sample I.D. (Freid)	SHOWING &	DIV-014-135	PH4H2			200048	10415	офинери	200406.7	25 CH 276	271465-13	291491.12	29 HKH 129	291/405-51	2944-118	296494-10	21-12-11-12-12	2194953	2H4H-3R	2114116			21/04/1-05	14913	DESCRIPTION	SIGIL Residential Uses
erryse Date	5/4/2010	5/10/2010	54/2010	North Wall 5/10/2010	5/4/2010	5/10/2010	5/4/2010	9192010	5-42010	M19/2011	6/13/2010	54/2010	Sate of Reserve P 5/16/2010	5/4/2010	5/13/2010	5/4(2010	1 1/10/2016	540010	5/10/2010	5/4/2010	5000 Well 50002010	5/4/2010	5/18/2018	5/40010	5/10/2018	Aquiter MSCs*
stand Chamestry Analysis on stand Mostly on (%)	1.5	7.1	10.0	5.6	0.0	50	77	6.4	\$7.5	7.8	10	15.7	10.5	18.8	14.1	18.3	3.1	9.7	5.0	4.5	8.7	21.7	1.8	74.8	8.5	1457
hybria Glycol trogen America	14.0	1074-6	77	1日1日日	#0	51	18.2	63	88.0	- NECOR	21.8	26.6	29.0	47.3	21.4	21	200	11.5	107.14.01	66	61	207	1011167	163	16(d.U	1,490 NS NS
	140 0 10	100,0110	760 SE FEE	197127 19	70 D St	10 S TO	12 (2) 12	165.00	3.5	1802350	101 27 Mg	3.0	121(1.0	32	160 (A-10) NAS-(A-10)	101114	101.27 Ft 2 201.27 Ft 2	121 House	814	161214	10/2/15	014	102 (0 m) MI 11 (p)	15	90 EAS	NS NS
Reside (1701) 10/74/ F Metally Amagenes stematic	12,000	10,800	9 990	9,500	8.830 0.65	12,600	9.670	13,600	18,600	9,800	9,190	10,800	10:400	12,000	12,400	3.443	9,030	8.130	12,100	5,710	11,400	9.600	11,200	27,500	12.100	110,000
Billetry .	4.2	- 58	0.56 2.4 1,100	27	0.65 1.7 257	31	0.42	(3)	66.1	19.3	73	0.eb 9.7	137	93	0.60	0.88 5.6	\$1	0.58	2.00	11	0	14.7	0.42	16.6	15	127
domi ryture	0.46	0.47	1,100	122 0.41	257 075	0.60	403 0 86	0.90	2,660	0.63	504 0.48	1,510 8 61	365 0.45	1,870 0.81	0.59	3,350 0.46	3,540	291	871	2,450	054	0,200	675	19,600	81.1	320
draum	15.4	31	4.3	52	4.5	5.4	3.6	6.3	TA.	6.2	10.015	4.0	8.7	5.4	7.3	37	5.1	3.3	52	AC (A.S). Tay de Ste.	1/4	7.4	5.8	100,000	91	38
rongers rongers bed	13.0	13.2	13.8	7,230	1260	2 100	1,490	1,750	2.640 25.3	130	7,410	1,600	1,250	2,160 17.5	1,200	1,640	1.500 11.6	1320	2,176 18.3	95A 7.8	3,510	15,4	2,079	5,310 42.1	1,600	N5
poer	12.6 26.5 24.750	27.6	163 87	18.1	9.2	27.6	2.1	15.8 34.900	38.4	8.7	57.0	16.5	8.3	22.9 8.8	85 85 21,000	10.3	26.7	4.0	17.6	2.8	53	15.0	10.8	38.5 13.8	11.3 3.3 34.700	73 8,200 16,000
ed .		22,656 0.47	25,350	29,800	26,000	37,600 4.5	26,000	14	46 400 33.0	24,160	7.6	24.800 9:0	20,300	51,006 7.3	21,000 7,5 4,216	14.4	98,600	23,200	11,000	3.1	26,150 U.88	24,500 101 5346	28,400	59.500	34,700 1.6 5,864	A10
greens rijeress	8,640 373	4300	4,270 964	3,833	3.830	3,560	4 30cr 285	5. 8(d) 2(d)	584	362	3,526 204	4,420 200	3,940	5,360	4,216 180	3,580 193	3 820	4,100 525	3,270	3,430	317	542	4,645 618	10,800	5,864	11,500
igletmek lybdemen kal	29.1	18.5	22.1	17.1	32.1	32.4 6.860	23.2	29.4	45.3	341	17.5	25.3	16.3	339	16.5	17.	17.8	20.1	263	13.4	25.7	21.8	25.5	10.5 62.4	28.1	NS 650 NS
MANAGE .	1,940	1,420	1,470	1,375	1,190	5.54	1,330	9010046	2.400	45000110	5,566	1,590	100.000	1,910	2,440	1,360	1,185	1,000	-53.2.55	636	1,790	1,800	1,400	1.000	1,600	28 84
dun.	15.7 A	75 A 15	10000	2.75 MODES -	2010	637	70.50	0.33	20,375	9.36	0.14	16-10-16. 19-13-16.	0.18	BATTE -	SM.	A27-31.15 787-31.50	624	10000	632	70.70	9.17	AG 125	6.33	200	0.29	NS.
dun alum radan	15.7	12.1 53.7	33	11.0	10.6 40.0	18.0	12.2	15.7	21.6 156	11.4	18.1	12.3	11.6	15.1	14.6 50.7	11.3	16.5 46.5	11.1	16.1	13	16.5	16.7	13.2 53.8	40.3	15.0	1,500
G 1000	10.4	517	47.7	48.1	45.0	97	413	543	104	10.3	47.2	55.9	46.7	62.A	50.7	41.6	463	49.5	50.4	260	50.0	118	538	157	55.0	12,000
Same .	9.1036	0.0346	0 0318	0.0254	4,0260	4 0200	9,195	0.017	0.174	9 0000	9.0258	5.0825	2.0669	0.164	0.129	6,0831	2 5490	0 peres	99111	0.9426	9.0673	8:378	0.0276	- 013 TV	94257	370
description with great	1	121	WILE.	5375	10.700	2000	2310	200	475	210	2100		1000	3100	12.00	1000	715	V100	100	1	1 1 1 1		1000	2117	5 100	0.5
redution methers redutin	1		100	2 1712	2000	10-11-00	THE	10110	1000	200		1110	115 120	200	MESS SHE	760 B A 300	2130	1000	101100	10100	1000	THE REAL PROPERTY.	777E	1111	10000	10
TAL ETP'S	200	703 617	200	HIEROR	5157	401.05	70.00	107111	0.0271	9000	2 100	4400	100000		455 103	Michigan	10000	715	TO 0 1150	1000	1100	200	700	2198	100	P/O
dylandere Bulyberdere	2.00	10.77	CIR	48124	31174	10-11-1	1000	10.000	9,0271	10000	12 126	0.0553	0.0175	0,0612	9.0178	0.0161	3 1 1 1 1		12110	210	1100	0.0629	222	0.0712 0.0654	2100	260 950 350
teet disoffide	777	1210	4100	100	215	167.59	2215	19300	0.6311	1200	1000	0.0054	0:0344	0.0129	VA PRIN	0.057%	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0.0081	12.5.635	200	11155	0.0094	10000	0.547	3110	190
ton lebuchbode soderproe sociPace	1000	300	102.00	K 0.34	8135	5150	1277	12350	1000		10 15 H	M32-895	HE E SHEET	Dittor	102000	200	7000		10000		1	100	215	100 4 100	4211.005	10
midden.	1000	200	100.00	1000	2333	10000	V 31-5	13353	3.110		1000	107.00	10000	10000	18276	2750		151110	2000		10700	310	2110	10000	101120	10
onschinarettere		191.10	4754	TO SERVICE AND ADDRESS OF THE PERSON NAMED IN COLUMN TWO I	200	10,7131	7217	5554	215	The state of	9.000		GI SI	U.S.	5311	215	STEELS.	2010	10 8 10 10	3119372	1000	200	5 150	76.1	40 K (Said	10
One Association of Comments District State of Co	1	200	THE .	0.000	STATE.	2000	200	12.126		1000	10.000	12000	70.500	113591	122 11	22.00	2381	9110	1000	3000	100	10.3 100	100000	1000000	183 153	61
Districtor (Service)	1000	70 F 70 II	100	10 1001	10 (LTUR)	10.000		10000	100	215	- 10-1-14L	10000	100 110	11111	MI STORL	971375	10000	200	10.2.34	701195	1 3 1 1 1	(C) 15 (c)	AU (12)	10.000	10.2100	2.7
Dichinosiftane Dichinosiftane (Tutal)	10.000	151115	10 T THE	PET 3 (0.4)	M. Committee	45 - 2 500 K	W. H. 1972	100 100 100 100 100 100 100 100 100 100	10.000	TALL DO	100000	Mary State	1211347	10 11 11 11 11 11 11 11 11 11 11 11 11 1	12 St. ACTION 65	10130117	100 H 2000	10000	12.2 301	251170		10.070	10.7 4111	10 11 11	103770	0.5
	NUZ.ER	20 N 100	1000	1000000	A STATE OF	NAME OF	35.d 8 lb		10 100	- HI W 1917	10 1 201	152212	(0.000)	M. 1.1554	10 (1704)	45,0 500	150 K 104 L	11182515	10.100	-62.0.3540	18.77	(0) 17 (10)	102200	16.11.171	H13 (00)	6.7
2 Extravoletiers o 1.2 District effects	1917-100	101130	100	10.00047	9300	TO STORE	103315	10 (13 (2)	11111	100.750	1000	100000	5078-9-5	B 5024	100 100	1112 557	1000	10000	157 3 (96)	100	1000	H 5 cm	10.550	19/6/DB	AL LUCK	10
Octhorapoguese 1.3 Octhorapoguese s.1.3 Octhorapoguese	143,70 (22.0)	SEW (DIS	153,000	90,000	16,3110-61	157 5 1510	23110	10000	THE RESERVE	1000	TO STREET	19.55	922304	477 854	2010 1044		U151581	10710	121 011005	121121	0.00	NO. 52 THE	100000	108 (30	103 100	0.66
ni-1,3 Donkinspropose plantana manore	NO AUTOCA	10.0700	1000 libro	18 3 15 5	10/12/201	100 000	100 5 1100	161 F 154 F	1414 500	107.0 (00)	12 1 2 1044	100	102 H MIS	40.4350	10.00 10.00	ADD TO THE	9027641	107/1040	101111000	15/11/19	1000	16.3 (40)	10 1000	0.5720	ADDIUM.	70
registeration (Curerie)	10.000	10 X 10 X	10/10/2004	A CONTRACT	51 J. 816	10 7 10 7	10 12 15	D 15 15 15 15 15 15 15 15 15 15 15 15 15	10 1 000	- Billiat	0.3/02	10000	VI H 1917	45 T J Use	103 and	FEET 20 FT (A)	100 to 100 to	1011145	V 2 10 1	10 10 to 10	102 175	100-00-11U	70.5177	0.0476	40.8100	765 765
ngsterzen (Lamen) grapphopes byens (Monte laty 2 pertenne (Milis) by tel outyl etter Milione	3772	2115	15455	97793	10 10 10 10	100 5 100	W-1711	10.5 (0.5)	1000	CODE	10 2 314	10000	5000	WANTE.	LIERS NO.	12 10 100	10 5 5 5	2010.000	100 1000	46 15 46	1000		10.655	0.190	10 1 101	NS 0.5
ony 2 pertanone (Albir)	WARL	10 0 100	10.4 95	2707	181 52745	413 100	12,1000	0.7502	CHEUE.	1000	10.000	120 27 1000	192.00	11/21/05	L REAL PROPERTY.	3111 1000	125100	10000	12 13 13 13 13 13 13 13 13 13 13 13 13 13	10.0192		10.010	710 2000	127.0 944	MILLSON	NS.
Missione opplienzene	5.000	2130	102.02	10.1943	4200	1102111	10111	10 S 10 S	TE AND	SEP IN	2200	-61 (151)	15 (m.)	0.0065	115.000	0.0107	0.000	0115	40 3 595	THE REAL PROPERTY.	100	131	1000	0.116	10/4 mg	25
vice 2.3.Tetractionethane	191101	123	NI SE	7000	225	10000		1000	200	10111	200	315	70.5 (6.5)	45000	7720	1000	0.750	200	10000	27902	2010	1837 Yes	277	1000	1000	24
a fundament	10170	2 10	1915 (62)	100000	12332	4550		10230	5.00	2015	2100	W. 100	102.000	0.0041	See all	1011.50	1000	0.5645	12 1 100	9,010	10000	The state of	12,0316	0.241	WANTE.	0.03
ne flanothere name 2 & Yoshinotengere 1-Yoshinoshiare 1-2 Testionellane	4 15	17 1	ALC: UNK	TO SHOOT	MARK	10.11	1000	10 1 10 1	9119	10 1905	412102	2015	R. Soll	767-63000	2510	0.0067	0.707	10,000	10000	200	2000	CITE	74.00	0.0431	10.125	2)
Trotteroettene	1000	0.00	12.0	415300	MO COM	1000	12110	100000	10.000	100 N 100 N	NO 22016	100	45 F 546	100000	200	1011111	2130	10 TH	- THE COLD	5/50	100	100 G	20191	1 4D 2 C 14	HIE	0.5
Considerate	10 100	10.3 (0.00)	30 x 040	MINISTRAL	150 E 1045	15 CO 1950	1000	10 C F C	0.0000	16.6.000	10.500	No. 10 Per 1	0.0071	0.0116	ALC: 500	6.0296	HO 11 304 1	10 c ccc	100 T (0 K)	E-78H	N. 3 CA	0.0114	- C C C C C C C C C C	8 940 0.350	ALLE	9.5
L & Trimetry therapene	10 mm	10 (0.00)	41100	60 6 652	16.77999	16.5.594	10211	HE WALL	9.0118	10 6 345	70-11 10-02- 70-11 10-02-1	20 L Sal	100 C	0.0079	100 A COL	0.0102	NE CON	10.7 (0.0)	MATERIAL STATE	2 100	10 T 10 C	110 P 2000	153 (test)	0.350	16 6 Km	12.8
emes (bose) g. Agletin green	51110	40.70-57	10 2111	10000	15 1 1 1 le	100 12000	10 (10)	WINE.	10 27 10	- NO 1 PC 15	10 1 10 1	10 17 7 17	212101	50,0752	THE PERSON NAMED IN	0.0190	1 40 ERGS	100 11110	10000	11313	100	18701	103101	0.454	150 K 311 K	1,000
g berne	2 5 5 5 5 5	10000	10100	1021111-12	NO INTERNAL	100	100000	1 45 11 11 11	0.0079	1000000	12310	45.00	THE PERSON	25-11-25-	10-010-6	0.0004	25 C 2010	123100	10.0	17000	0.000	10000	100000	0.172	10000	1,000

Page 1 of 2



reple LD. Fleid	28949.1	266-01-19	210416-2	29444-28	20014	25545-48	296496.5	29641658	3946.7	29-640-570	215/01/13	20040-12	256406-1290	(260041)	25946-119	29646-10	290 Mer. 1262	2994963	W49-38	294/494/46	291911-010	294/411-8	9444.60	214401-5	210414-008	Residen
	-			North Well	of Heserica Pit					-		Vincent C	State of Reserve P	-				1	-		South Wat of 1	Reserve Pti	- madelin .		- Investment	Aquifer
reto.	5/4/2019	5/19/2019	5/4/2010	5102010	5/4/2010	6/10/2010	5/4/2010	P105019	54/2010	5/10/2013	5152910	P-4/2010	5/10/2010	5/4/2010	5/10/2010	5/4/2010	5/18/2010	5/4/2010	6/10/2010	5/4/2010	M463010	5/4/2010	5/19/2010	5/4/2910	5/10/2010	-
Total Control	12000	16-07316	1810 304	10.335	100.00.000	1675 N. Agric	W 0.75	MIN. 4 1004	7012 112	140 (0.047)	Mod-Mo.	10 ft AV	No. 45 May 1	No. of Part	PD / TO 20 PL	100 of 1996	1914/769	40.0000	R0 K N R 1	10/17/210	4000000	1000011	195-01-M In. 1	10011120	100,000,000	1 23
Tylene	1637.765	10,35,756	10.1.35	10, 5, 50	141.9305	NC 9245	THE WAR	10.3344	SCHOOL STATE	NOTE U.S.	100 30000	-50 H MS	LINE CHE	210 30 851	35236	3655556	767 (1985)	140 E 20 F	1833315	L-5271.14%	147.0.117	COLUMN TO	10211	1616 520	1672 7457	12
	1812 1644	227/11/16	16.71 747	16,3356	Military and	142 to 1475.	75 5 700	20120-005	19736790	140 (0.107)	- 161 (5 KG)	The state of the s	125.50		50,00040	309.700	267, (0.340)		362.0.3475	7417/14/2	MARKET	20125735	38115.351		3405315	3
19	761 (0.704)	2010/250	No. 25 345	-325-E-1261	145.5r 30.0	120 15 16 16 16	10 11 11/2	H11 (1-1,1)=0	1812:116	260,015371	467,00,405	10.6.62	PET SETTING	H 19 (6-42%)	1.000 (0.00)	10140 Miles	20,000	100 to 2511	10:6140	782 (1.1195)	421 (61000)	165-074to.1	182 GE 1411	Mig.sizi	901452166	
offenore	20:3334	101,2030-4	NO. A DAY	12" 3: 181	10.000	160 1616 1610	100 8 172	NO. 27 Tells	16 0 11 5	PCH-2LL	22.20	183/6.010	LPE E 2011	Marian	10 0 10	10-2-20-	743 (4.74%)	185 (5-80)	HS2-30-0411	2010111	16.025	100000	16157540		H(H) 200	
yrana ani arithere	75.115.251	70/5/319	75-11-70	15 15	100,000,000	PO ST HIS		102 (5-200)	70.00.00	1000000	10000	1112	15 11-51	(4.1 (h-4) 1)	10 July 2004	11.0.00	77.1	19.1	677.31.3411	751.1/2411	1617.150	162.00310	551 (8.787)	100 (1.125)	567 (C-1)	
Contribute	-0.00	10.00	100 100	-3-9-00	17/10/2007	100000	1000	10000	- NOHE	3011-011	0.00	- Di 11 Di	100000	10000	7000 700	100000	- 10 to 100	100 to 10	100000	2011	100000	HILISAU.	787 (0.181)	PER A SHARE	25.41 500	
/garylens erarthers	10.0.00	14-0-38	1000	79.125.7457	45 15 100	160 (0.211)	100 11 11 11	407 17 200	10277776	10 A 501	315.75 52.5	110,000	16.00 0011	1000	1000	10.00	10.1000	12.2.2.2	120-2-1211	100110	122 11 11 11	A111 (0.449)	190 (0.14)	100 to 0.00	- FSC 27 775	
04	100 12 000	100000	100 4 301	1115.000	16 12 SEC. 1	1675-1775	N. (1930)	MC(FEE)222	1000 55 Mell	967 15 1945	26,11,000	1871 971	14.6.555	Supplied Street	1917 2 35 1	1413.27	100 15 9 736		949.25 (%)	100 100 100 100 100	10.000	127 (122)	127 97 91.25		107771000	11
ohd	343 1/ 31 -	GO THE	262.25.960	1610 150	FR 13.767	254 T. M.L.	CA011/12	160,20 (400)	PRIORI - 1.6	1. PROJECTOR	91.0 63	ACRES.	WA251	200,30,000	70-15 (5%	-10x c 3cc	147 J. Sept.	190 00 750	1896.86%	THE REST	Marie and	10012416	19127 1915	W 17 14 15	445 K.755	1 1
senyightenyi ether	141.7-714	2016146	1000000	127 25,4461	36111700	- M2, E. D(1)	12.16/14.302	10 d pic	101.00 (176)	150 F-101	- 451 (4.36)	14777700	790303011	BURE	10535	130-27-2	30111300	111 (2.40)	397.31.5475	PECK 196	W. I	13772316	1,12112,361	150 (110)	30.75	
tyrichianate:	40.6-30	52.5.04	- 500 F- 30G	162 57 745	100 (5 (6))	761 (6-341)	To II-ma	TO 15 July 1	5913110	PATE 12-12-1	100000	791-05-300	26.3-214	- No. 1 604	102 (S. 294)	305.712	16, 5,405	100 (7.161)	591(8.945)	100000	40 7 95	13115-116	- NO 11-1411	C 99 H 209	107 14 1111	94
cuttyperal	10000	2000	100 (0.00)	100 5 200	1000	200 00 000	1971.216	1000110	20012	310 (1)	2000	TE-13 (SS)	200.00	2000	2011/0	111-0-310	Dr. 10-100	25.5	70-5340	10011111	101 17 101	100.00	370-01-	15 11 11	2011	
	10.0	10.000	100 11 100	- 10 - 10 - 0411	200-00-00-0	100000000000000000000000000000000000000	1076	THE R. LW.	ALC: U.S.	1995 11 5375	2000	-0.12	1971 1 2012	9776	200	7000000	100,000	WE 11 757	325,374,11	10.0312	122.7.354	50 C 110	190 11 100	100 1100	1011735	
codity) ethy	121.2.340	1. 40 (0.146)	AR R 385	17812 1990	44.070	1E E 212	401	- NO. 49 THE	170-275	56031110	40.000	342 (8.10)	15/30,101	.1657/1.211	No. 27 Ltd.	140-51,300	10.290		1971 14:31	1000000	2012	40 000	166141		790 (0.70)	
rostly) ethy	170 1700	0.30-0.00	100.0 (60	20,3340	16-2185	30 P 34 F	1675-75	200	10000156	160 15 700 4	30.07.903	A80 to 1000.	202296	10.540	- CET 116	10.210	10 (0.50)	100 (2.35)	10.6344	202100	10.410	15.91.676	20100300		101 (0.00)	
minesproppy offer	127111111111111111111111111111111111111	100	4000	- 01 H-140-	152.00	100 2 125	1000	10 A 140	40.0110	2012/12		10.0	18V63FU	30, 32,673	N. C. III.	75-21 155	16.16.16%		19535.14%	NO. 13 (1991)	W-2 E-	162 (0.125)	715-6-171	1991 (120)	151.5.455	
nowage agets officer agenthicities benud	COLUMN TO A STATE OF	30 8 20 10	10.75-00	200	5.5	10000	The same		10-11-03	457.00	20.00	200	(0.000)	-	100000	5-101	75 0 His	100000	150 15147	15 15 150	200	20-540	202.00	100	- William Sec.	
herrylphenyl etter	1011111	the same	1000	-	1000	100000	100000	1000	1000	- C-10-10-	0.000	10000	100000	-	1000	200	20.00	1000000	10000	0.000	2000	10010	10000	- CO. CO.	0.00	-
any produced and	4211.742	10 5 S S	10.00	1000	973.90	40.00		50.000	100000	10.7 %	10 10 10 10	10.71110	THE ST	10.00	400 C. RAI.	101110	10 7:390	2011	10000	00150	40.00	45.00	12-14 Sec.	121111	58135.005	
	142	19-31-11	1000000	36.0 140	1013.302	10 10 10	104.30	7077795	100 30 315	10000	16.2 (6.2	16/35/36	NORTH NO.	20 B W.C.	16-57/2	25.50	VEF NI	16510-761	20.00	10.6314	58.40731	52031741	42 2.3/10		507.5 0.5	
ran rotenzene rotenzene	100 11 1100	311.4283.7	10.616	10000	0.000	160,0361	16.77.76	10.0300	10.0000	16.11.35	45-20-50	10.00	H16565	50 E 200	20,000	- HOLD RE	16,546	10.070	TE GALL	C 5.765	10.02	AG 2:145	780 E 345	75476	900 K. II.S.	
rotenzane	1000	15-5-25	30.5.00	30.72	100,000	100.00	100	12-2-90	15×2.1%	19991 100	R 5 55	10.000	- P\$13 Stor	50000	10.676	200	1012 700	2000	76120.76	10000	100,000	50 6115	30-0251	1000	The state of the state of	
stangere	15.15.15	The same	2000	Section 1995	30000	10.000	1000	-	-	10 11 22 1	-	22.00	1000	1000	- THE P. LEWIS CO.	10000	10.000	- CO. LO. LO.	2007	C1000	10.50	102311	- TO-2780	1000	THE STATE OF	
oberone oberoniste	The Same	10000	10.00	-	1000	500 TO 100 TO	1000000	20100	10000	212.00		-	200	0.00	100000	2155	1000	-	100 10 100	200	1000	100 0 100	100.00.00	-	100 (100)	-
	4000	14 0 00	10.00	196.2.300	100,000	SCHOOL STREET	11000	40 K 16 K	15 5 75	GIRGO.	20.00	1000	Alle	70.00	E 3 300	CD 19 145	To record the last	No. of Lot	45 3 90	2000	10.00	74110-278	10.0181	40.00	797 (6-14)	
rateta	10.00	342.0.2002	11 THE	233	100000	10.617	W.E.M.	5-377	100000	100 to 100	THE PART	1012-0	1000	151-	1.50	ACK CE	101716	1000000	20.0115	40-5745	77.67	32 300	_103397		345,71135	
halata hyghentul othuppe prohuppe	7-5-56	20.00	14-5-50	Per Sire	127.00	16.575	10.50	10-20-00	100-01114	18/12/11/5	9235	15.50	100	State Street	100 1 300	1000000	1000	1015 300	1.10.8195	1919 34	X400	F5-0.016	16/15/04/1	JR 5555	101 10 10	
AT AUTO	100000	40.00	-		100	70000	10000	-	-	-	-	-	257	100	-	100000	10000		16600	20000	-	25 20 226	28/ (0.21)	1500	- TE 6 90	
2 mallyghand	-	17 2 10	100 000	0.73.75	10000	0.157	10000	0.000	100000	1000	-	117.00	10000	1000	-	1000000	40000	200	-365	20011	3000	100 of 178	10000	The second	12000	
phenol lokana	10 to 1000	90.070	GI STORY	10.000	100000	40.000	100000	10/1/20	1007.500	CONTRACTOR OF THE PARTY OF THE	-4.110	0.000	100000	700 11 2000	SC 11.200	1000000	20222	10.275	10000	913112	1000	50334h	10000	15/70 11/5	10.010	
Okarie	2000	36.236	10.0396	1 45 Et /eth	15.4 70	165.70	1,000,000	150,150	255576	10.10.07	1003.50	HCG 785	140,61,614	25-7261	1011111	10000000	30-11 Fe/1.	1865.00	11.111.21.141.	100 (0.114)	THEFT	*C G 531	363251	1400	190 S 1700	
distance .	100.00	1903.24	50,0.00	100 17 3400	16-5 (85)	201141	1,700	30,17196	1000000	16-9-72	121/5/2015	10.5	140,6715	150 (1971)	1671215	1.141.25.74.6	10.520	1000000	NEW HIT	20 0 740	10.135		3413030		1902 (190	-
Health	134	16.00	10000		1000000	40.000	17.5	2000	-	1 to 10 to 1	12-2-25	100000	50.00	H1 5 750	1000	N10 375	Sec. 255. 3		1,580,593,651	- N. S. P. C.	55271V	46.3256	15.5314	10.71	2014 JSS	1
heay/gathesia	0.456	10000	10000	-	10000	3000	10000		10000	-	10000	10 / 100	1000	C47-11-11-11-11	10.00	200.00	100.00	20100	100-01-00-01	- CO		00010	200	The second	1000	1 3
	10.00	10.000	2.5	21100	9.3	2000	100000	1000000	12.2.50	10.0 90	1215/100	10.000	10000	1000	200	200	0.00	3/1/10	With the Control	10.540	01101	12 3 11 1	100 0 100	40.11.00	0.110	1
s-1.3-tutachine	10.000	11/15/34/6	10-50	10.7 (46)	Mark Box	40.000	40,000	Marin Service	14 St 77 K	10.00.007	12011011000	N 221	21 V.78 V	1522	81.2716	1967 (2.781)	40.7 (60.	100000	10000	12.3.34	77809550		10.00	ALX 15	2012/05	
roberizania	F2.7	197-34 3146	2000	2007,149	2007.00	L MGEMIL	30.000	MINISTER	291 1677 16	25 5 25	1000	W 5000	45.65	2016-670	1255	107-01 100	30 to 2600	30,0765	IR Sort	Statute .	1102011	At 3.115	ASSESSED.	26.17.75	196435	-
rogrispertations	0.022	15515	1000	700	10000	20274	12.5	46 (A 49 A)	200000	102.00	Hart Street	15000	-	101117	70.5.200	310.00	5000	200 (0.202)	MT 6: NO.	100 to 34th	2000	10/2/20	- M. W. W. L.	2071	500	
Northborne	- Illustration	The Graft	0.00	0.00	1000	1 30111	1000	10000	0.010	13.500	3446	0.00	0.00	10.00.00	1000	200	200	10000	-01600	20.00	-3111	THE RESERVE	25 E 311		200	
2.3 collegeness re	30.00	10000	2197	1000	160,000	10 5 10	10000	12.012	100000	10.00	1000	20111	1000	1034	50.000	107 (0.50)	91.0	10000	1000	-0.5		200 100	10150	THE RESERVE	100 0000	1
aprilusions.	1 POT 11 TO 12 PK	10.01140	12.535	120,000	100000	10.0310	10.5.35	No. of Maria	17.375	45-XXX	W. 20	301186	10.6364	19277.00	THE PERSON	100 St 100	NO 2 300	- 493 (B) (P) 5	10 - 21	19010100	10 (0.00)		100 mill		90100	
naphihasuna naphihasuna phenatija Crasot	100000	14,5 16	1000	22/13/61	460 (6 360)	45/EH)	10.2.32	100 20 100	10000	THE PARTY	10 5 10	757 17 500	10,1120	160 10 5071	22,2404	1000	70 3.70	161 (6.27)	195 75 1975	180 00 1800	100 to 100	H1131314	Senior.	- Republican	16/2/2015	2
Heruita Cresot	10000	20012	82.00	SE 11 1001	25.74 (27)	C 400 D 28 V	10.275	State Section	100000	THE STATE OF	1000	164 (110)	1011/01	512.410	15 - 241	Mid to	500 5 5000	100000	100 (1941)	170.2410	100 Per 100 Pe		26525	No. Com	760 (C) (C)	
rychemiczneg Greecij med	10000	1000	200	1000000	100,000	100000	17.00	1000	-	-	200	-	0:610	150 10 700	- Timely	-	100	-	100 0 0 0 0	1000	1000	100 100 100	212.7%	St 153	32 5 133	
	100000	200	9198	1200	10012 (511	1000000	701315	1000	200	2012		5P (55)	10000	1701 100	10.00	OF STREET	327 17 515 5	1275	11111111	100.00	1000	1000	-dipiti-	The state of	10000	
Tree	- N. L. C.	Section.		10 100	1000000	1 120 ERR	10.00	12 63%	3017346	107 (2.154)	100 1100	1000	100 11 107	10111111111	10.00	10.10379	36-1-1-7	100000	127 11 10 1	2001	10.0 95	10.11.00	THE PART	4471110	100 14 160	
ifie me	111-11	125 F 1467	250 (1991)	70 7 100	Apr. (0.301)	MI BUILD	25127415	10/10/20	Mary States	12010164	751101-301	201210511	1917/1907	14317 5000	2.3	2017/17/2	MERCH	140 10 800	101 (705)	10/24/20	161-07000	101-117-001	1000 000	ABITETE'S	150 113111	
me	201-0-0581	76 (6 1915	10-11-100	1000	100000	181 (231)	1 1010 750	100000000	18775-750	157-1111/7	16720-300	10/10/2004	10000	267 (3.307)	100 H 754	321 (3.74%)	141.0 155	190 071077	14130131	16.7 (16.	1027	10011718	365/6140	100 (17.35)	1617175	
rud	1917 758	100000	10.535	140 1100	161 - 51	16.545	19 (17)	35,75,745	1581 (1774)	10 0 110	FE115 PER	16110-003	-78 a Rt	79315 1111	No. Contraction	20 7 750	165 (5 106)	16.00	- F-1124-2	75-5141	1. 3E/0 RO	50 9419	250 PM	_ASS 755	100 1175	
ine lonethylemor	1000	1000000	The state of	1	1116	100000	111200	120 101	10000	100000	140	10000	10000	70170-0170	- Both	1000	(2) ((T)	100000	100000	- Inches	1000	THE REAL PROPERTY.	-7007	10110112	1000 100	0.
q e inthines	525 TH - 52	1 100000	110000	10000	1000	1000000	1 1 2 1 1 1	1000	100000	10110-1011	100	10111-003	10000	200	30000	10.910	G11 (III)	10000000	10000	1000	1000000	50-0-11	100000	2016003	12011110	0
	1011201	140 (0.094)	W-0 963	100 (0.744)	3075 704	50.4300	103.155	182311	50130376	21 115 11 10 1	C100 B0	1000000	N 10 20 1	JEG-0-571	10 11 19 5	14127.700	16/15/16/1	190 12 10 21	10.00	100110	10100000	10710410	10 5.44	100 D.200	10.03111	1
righenii.	- RC F-1911	1607-180	10-3.315	167-27027	140.00.301	MILESES.	1923/202	(C-5.1) E.	101113000	11,887.217247	153 pt 1570	197,61912	1412.602	1625.20	4000000	30/2016 E.	C 883 F 370	100.01010	381 (4367)	26110.011	10.000	HILLS #2	202103742	18777110	9010	
refres	1. 100 10 100	740 H 755	TO HE	1972/353450	10 HOW WILL	(1.14936461)	112 4 7 1 7	14170360	301377.0	987 (0.24%)	1460.00	1013360	A HELECORE	30.5.05	100 10 10 10 41	100000	- 701 JL 161	P(1) (F, 27) (1	102711-017	20 Y 20 E	191.0-0.0	HI SEE	067 07.543	10011125	100 0.105	- 1
	ALC: 1541	160-654	107/11/2000	15.0 145.	10.0388	10.33.7842	16 7 74	J. H. S. 1994	1507,25271.55	701753	31157,369	76127 7543	2000年1	NO. PER	10 0 110	100,01,000	100 0 100	- 055-12 (41)	- 195 (E.345)	750, K., Hr.	1000000	353 (0.11)	751 1X 10-1-	16911.000	27 HG J6355	
Trining and the same		151 5-512	15.7.75	10.000	100000	100 to 100 to	12-2-151	15-15-761	131-25-11-25	-34175	100	200	10000	12 1 112	2000	200	75 / 107	70 (7 6)	10000000	701175	-150	1000000	315.55	10000	30,723,74	
his years his years	-105 A 188-	111200	10000	1 100	100,000	1 12011 102	127 71.00	10510	G(1) (1)	1165,7162	1212 541	10777.79	10000	107 17 1000	100,000000	THE REAL PROPERTY.	1010000	10/1/11/	ARTICLE T	-	1000000	10000	1000	420 10 10 10	10/9/10	-
			-																							

Mobile Annual Processing of the Control of the Cont

Page 2 st 2



All Sampling Rounds 2H/4H Wellsite

Dirnock Township,

		Reserve Pit				Monitoring Well				MSC ²
Location	UNITS	Reserve Pit Water	MW-1 Up-Gradent NW	MW-1 Up-Gradient NW	MW-1 Up-Gradient NW	MW-2 Down-Gradient NE	MW-2 Down-Gradient NE	MW-4 Side/Down- Gradient SW	MW-4 Side/Down- Gradient SW	Residential Use
Sample I.D.		01	MW-1	MW-1	MW-X ³	MW-2	MW-2	MW-4	MW-4	TDS ≤2500
Sample Date		3/23/2010	5/20/2010	6/3/2010	6/3/2010	5/20/2010	6/3/2010	5/20/2010	5/4/2010	
5010/7471 Metals Analyses						The same of	and the same of	The state of the s	-	
Aluminum, Total	Ug/L	46,600	2.510	3,170	2,880	13,000	4,680	7,390	859	
Antimony, Total	ug/L	61	78D.(3.05	NEXT VEHICLE	140 (5.9)	NO USUS	AD (1.0)		五 五 五 1	
Arsenic, Total	ug/L	130	5.3	NED-(0-0)	ND (5.0)	20.7	7.4	29	13.5	-
Barium, Total	ug/L	8,700	143	181	180	152	78.3	76	33	
Beryllium, Total	ug/L	4.0	12(3-13-10)	ND (1.0)	NO (1.0)	HID (1.0)	NOTED	PICE (1.0s	NO (1.0)	
Boron, Total	ug/L	190	FRD (50:0)	HD (50.0)	ND (50.0)	ND-150-81	#10 s50 0)	PMD (50-0)	FID (00.0)	
Cadmium, Total	ug/L	4.7	140 (1.0)	160 (2.5)	565 (± 0)	MD (1.03	NC(1,0)	390 (1.0)	140 (1.0)	-
Calcium, Total	ugs/L	72200	37,200	40,500	41,500	25,000	36,300	21,600	36,800	
Chromium, Total	ug/L	140	1001501	5.6	6.1	475	289	27.7	499	
Cobalt, Total	ug/L	40	NO.15.04	ND 85-01	120:50)	13.8	7.8	9.4	9.2	
Copper, Total	ug/L	310	NO 15.01	AD delin	10 (5.0)	24	8.4	11.7	6.8	
Iron, Total	ug/L	65,800	3,010	3,950	3,590	23,000	10,900	15,300	3,940	
Lead, Total	og/L	1,300	2.4	5.2	5.3	13.1	7.5	14.8	4.9	
Magnesium, Total	ug/L	10000	7.950	9.090	9.260	7.310	6.630	5.800	6.810	
Manganese, Total	ug/L	2.000	125	126	127	682	364	775	338	1+
Molybdenum, Total	ug/L	280	MD 130 01	40701750-01	140 (20 0)	NO (25.0)	ND 230 (b)	34B (26.6)	ME1 +20:01	
Nickel Total	ug/L	180	16331001	HD-110 (0)	NO 110-03	256	145	26.5	254	-
Potassium, Total	ug/L	28,700	2,680	2.570	2.520	4.350	3,120	3.840	3,000	-
Selenium, Total	ug/L	6.6	ND v5.0x	NO /5.10	NO (8.0)	ND IS OF	140316 (b)	ND (5.0)	140 (5.0)	14
Silver, Total	ug/L	2.5	NOT 71 75	95713	MOVE THE	1.5	A201 J. 202	NO 41 DR	- (bill-11.0)	-
Sodium, Total	ug/L	216.000	6.370	7,460	7.550	5,770	6.120	3.370	4.880	-
Thallium Total		210,000	ND 100-01	MORNEGY.	1,000 101010-01	NO man	701100	ND-C10-02	10.017.00	-
Vanadium, Total	ug/L	200	793 (572.50)	2007-11-21	1807 (1818)	16.3	7.5	10.3	1867 1185 521	-
Zinc, Total	ug/L	530	10.3	PROJECT OF	1923 15-SH	70.2	31.9	42.6	3402 (2-0)	*
	ug/L			NO HOSE	ND (10:0)				ND:(19.9)	-
Mercury, Total	ug/L	2.5	110 (0.30)	NO (9.20)	ND (P. IS)	ND (6.20)	ND (9.20)	ND ID god	ND (0.70)	
6010/7471 Metals Analyses										
Aluminum, Dissolved	ug/L	1,100	MD (50:0)	ND (50.0)	(50.0)	68	HD (50-0)	MD (50.0)	ND (SO D)	200
Antimony, Dissolved	ug/L	78	10.65.00	5.7	140-45-01	ND IS O	NO (8 th	N2 (5.5)	ND (5.9)	6
Arsenic, Dissolved	ug/L	51	ND (5.9)	ND (0-0)	NG (10)	NO (S.R)	NO LEGAL	160(35-0)	MD (5:d)	10
Barium, Dissolved	ug/L	3,100	86.4	108.0	108.0	33.5	35,8	15.4	24.4	2,000
Beryllium, Dissolved	ug/L	NO 21 (0)	MD: (3-0)	230 (1.0)	10 (1.0)	MO (1.0)	162 (1:0)	10.00	1/12 (1/01	4
Boron, Dissolved	ug/L	120	NO disco.	我们这个	N0.(30.0)	ND 150 0y	HD (SED)	ND 15035	HØ 190.25	600
Cadmium_Dissolved	ug/L	30710	NO (1.0)	MOTOR.	NO TUB	NO.(1.0)	20213.05	10.00.00	NO 11 0s	5
Calpium, Dissolved	ug/L	18,400	37,800	40,100	39,700	24,200	28,200	19,000	34,300	NS ¹
Chromium, Dissolved	ug/L	8.2	NU) 15 5- 1	7457 (5.6)	ND (S.D)	ND (5.80)	HO:15.0	MULTIS DO	8452 (5:0)	100
Cobalt, Dissolved	ug/L	1415 (5.70)	ND (5:0)	140 (9:0)	RD (1.0)	NO (0.0)	74D (5:0)	\$407 (5.0)	ND (5.0)	730
Copper, Dissolved	ug/L	12	NO (5 III)	447 (5.3)	NO LESS	MD (5.0)	AD (5.0)	ND (5-0)	ND (3.0)	1,000
Iron, Dissolved	ug/L	1,000	NO (50.01	1401150.04	MD (50,0)	72.5	ND (50:01	ND (50:0)	140/190/01	300
Lead, Dissolved	ug/L	49	NO 12-01	NOTES IN	4E-(2.0)	NO (2.0)	74/5 (7.6)	NO.62.61	MD 12 01	5
Magnesium, Dissolved	ug/L	400	7.260	8.690	8.630	4.180	4.580	3.260	6.210	NS
Manganese, Dissolved	ug/L	36	82.0	34.0	39.4	161	41.4	287	263	300
Molybdenum, Dissolved	ug/L	230	NO COSTS	AS GETE	14D 655 (2)	MD (20 G)	MD (20.0)	ND (20.0)	\$10F120.02	NS
Nickel, Dissolved	J.gu	21	MD (100)	-120 (10.0)	MD (19.9)	-ND (10-0)	ND(\$10.0)	190((0.0)	tiD (10.0).	100
Potassium, Dissolved	ug/L	17100	1,720	1,620	1,650	1,320	1,320	1,450	2.510	NS
Selenium, Dissolved	ug/L	765 (6 G)	N(1) (6.0).	11(1-15, 6)	ND (5:0)	100 (5.0)	ND (5.0)	Fill (8.0)	NO (5:0)	50
Silver, Dissolved	ug/L	NO IT IN	ND (1.0)	ND (1 0)	ND (5.0)	ND (Lin)	MULTER	76241.01	820.11.01	100
Sodium, Dissolved	ug/L	259000	6.840	7.400	7.610	5.850	4.970	3.300	4,830	NS
Thallium, Dissolved		ND (13 ft)	10.01) (01	ATD-110 (3)	ND LIGHT	MD (10.0)	74D (10:0)	HD 10.01	ND 110.01	2
Vanadium, Dissolved	ug/L	45	NO PERSON	PAD (5.0)	ND (5.0)	RD (5.0)	AD 15 61	MD (5.0)	NO (5.0)	260
Zinc Dissolved	ug/L	15	ND 110.01	100 (2.30)	NO (10.0)	ND (10 Ct	(450 (100 A)			2.000
Mercury, Dissolved	ug/L	.13	30710 301	1917 E ((3-12)	140 (10.0)		HD (5.30)	ND+10.00	MD (10.0)	2,000
WEIGHT, LASSONED	ug/L	MP IA TA	THE REAL PROPERTY.	NOTES	1967 (0 25)	(52.4) (St	*SEP (10 400)	ND (0.70)	\$100 (B.20)	1

Page 1 of 4



Atl Sampling Rounds 2H/4H Wellsite

Dimock Township,

		Reserve Pit				Monitoring Well	2			
Location	UNITS	Reserve Pit Water	MW-1 Up-Gradient NW	MW-1 Up-Gradent NW	MW-1 Up-Gradient NW	MW-2 Down-Gradient NE	MW-2 Down-Gradient NE	MW-4 Side/Dover- Gradient SW	MW-4 Side/Down- Gradient SW	MSC ² Residential Use
Sample I.D.		D1	MW-1	MW-1	MW-X3	MW-2	MW-2	MW-4	MW-4	Aquifer TDS ≤2500
Sample Date		9292010	5/20/2010	6/3/2010	6/3/2010	5/20/2010	6/3/2010	5/20/2010	6/4/2010	1
VOCs (8260)						A STATE OF THE PARTY OF			200	
1,1,1-Trichloroethane	ug/L	HD (5.6)	110-11-02	NO (F.O.)	760 (1.0)	NO (1.0).	HD (1.0)	140 (Ltb)	\$4D (1.0)	200
1.1.2.2-Tetrachioroethane	ug/L	ND (5.0)	NO.11.03	762 (1.0)	MD (1.0)	#20 Y1.01	NO (1.0)	NO (1.0)	NO-11-0v.	0.3
1.1.2-Trichloroethane	ug/L	ND (5.0)	MD (1.0)	743.11.01	140:11:01	P(D) (1,0)	ND (1.0)	NO (3.0)	ND (1.0)	5
1.1-Dichloroethane	ug/L	ND (5 8)	ND (1.0).	NO.11.01	NO FEET	ND 21.04	100 (10)	NO: (1-25)	ND (1.0)	27
.1-Dichloroethene	ugit	\$60 (9.0)	ND:(1.0)	ND (10)	100 (1.0)	HID (1.0)	ND (10)	MD-(1.0)	NO (1.0)	7
.2.4-Trichlorobenzene	ug/L	-	FID IT OL	MOTE OF	ND (1.0)	: ND (1.0)	70371.01	ND (1:0)	hgs (1.6)	70
2,4-Trimethylbenzene	ug/L		NE (1.5)	ND-H b)	ND-(1.0)	ND (1-0)	ND (1-0)	ND (1.0)	MD (1/8)	16
2-Dichlorobenzene	ug/L	-	ND 11 01	ND (10)	NO (1.0)	ND (1.0)	140 (1.0)	NOTE	ND (1.01	600
2-Dichloroethane	ug/L	NO 15 (8)	ND IT IS	MD (1.0)	ND (1.0)	100 (1.0)	ND (1.0)	NO (1.0)	THO 23 (0)	5
2-Dichloroethene (Total)	ugil		140 (2.0)	P4D-12-01	ND (2.0)	ND (2.0)	140 (230	M(3 (2.0)	ND (2.0)	NS
2-Dichleropropane	ugil	60 (5 t)	NOTIFE O	- BS (1.0)	10.11.04	ND (14)	ND (+ 0)	NO. CL Q1	ND (1.0)	5
1.3.5-Trimethylbenzene	ug/L		1423-17.01	ND (1.6)	10.11.01	NO.11.01	160 (1.0)	MD St 8=	NE2 (1.0)	16
3-Dichlorobenzene	ug/L		0011101	100100	BD (1.6)	160-11-04	ND 71.05	NO-11-01	\$45 (1.6)	600
4 Dichlorobenzene	ug/L		\$40 (7.0)	2011.01	ND 41.03	NO (1.0)	ND:101	NG((1.0)	ND (1-0)	75
2-Butanone (MEK)	ug/L	ND/10/0	NO (19.8)	140 (19.0)	162 (10.0)	PAD (10.9)	NO.110.41	ND (19.9)	#40 (10 p)	2,800
Hexanone	ug/L	360 (5.0)	NO (10.0)	383 (10.0)	8(0 (10 0)	1407 (160.0)	100 710 01	NET (10.0)	ND (10.0)	5
-Methyl-2-pentanone (MIBK)	ug/L	400 (5.0)	MD / 10 D)	DD :10 D	ND (10.0)	ND (10,0)	700 (10.0)	NO (10.0)	ND /10 01	190
Acetone	ug/L	32	ND YES DO	MD1+10-0	4D 110 0s	ND 215 Gs	1922 (1822)	(4D (10.0)	(45) (10, 0)	3,700
Benzene	ug/L	140 /5 tu	ND (1-0)	ND (1.6)	NG (1:0)	190 (1.6)	ND (1.0)	ND 11:04	ND (1.6)	5
Somochloromethane	ug/L	790717.00	1/07/11/09	180 / LDc	ND: (1-0)	MPIT SI	40 rt 80	NO.11 S	34D (3.6)	90
Promodichloromethane	ugit	105315.01	MD (1.0)	10.17.01	7403 (1.00)	HOTTO	ND 11.01	160 (1.0)	NO (1.0)	80
Bromoform	ugit	PG1 (5-02)	190 (1.6)	NO.11.01	P4011-01	5(0.17.0)	140 11 th	100.13-01	NO IT O	80
Promomethane		NOV5-01	ND U Str	192 (1.65	140 (1 0)	160 (1.0)	ND (10)	161+1.01	NO CLOS	10
Carbon disulfide	ug/L	1607 a 5 (0)	ND-(1-0)	NO IN OF	HD II III	NO2109	74D-11.07	167 (1.5)	1607 C CO.	1,900
Carbon tetrachloride		100000	(40 H D)		163 (1 8)	\$40.11-51	- NEXT (8)	NO LLO	N(3 (1.0)	5
Chlorobenzene	ug/L	NE ISDI	NO (1.0)	ND (1:0)	ND (1.0)	ND (1:0)	ND (1.0)	NO (1-0)	1452 (1.0)	100
Chloroethane	ug-L	1427501	MEDITION I	NG (1-0)	140 / 1 0 P	1473 (1.0)	ND (10)	NOTE OF	NO (LO	230
Chloroform	ug/L				MD (1.0)		ND (1.0)	190 (1.0)		80
Chloromethane	ug/L	ND (5.0)	140 (1.0)	ND (1.0)		ND (1.0)			ND (1.0)	3
	ug/L	NO AS (I)	NO (1-2)	MOVEL OF	NO US	1807 (1.0) NO 11 04	ND (1.0)	NO IT SI	NO (1.0)	80
Dibromochloromethane	ug/L	160 (0.8)				NUL 1 1.105				700
thylbenzene	ngit	THE (9-40)	460 (1.0)	H12 (1,0)	MD (1.0)	166233.07	NO (1 D)	ND:101	MD: (1.0)	1,100
sopropyfbenzene (Cumene)	ug/L	ND IS CI	ND (1.0)	100 (1.0)	ND (1.0)	HD (1.0)	ND H.UE	ND (1.0)	ND (1.8)	20
lethyl-tert-butyl ether	ug/L			NO. (1-0)	AD 11.18	NO (10)	ND (T.B)	PEC (1.0)	ND (1.8)	5
Methylene Chloride	ug/L		1922-01-05							100
laphthalene	ug/L	120	MD (2.0)	NET (2:0)	NO (2.0)	HD (2:0)	MD (2.0)	76012.01	(VD) (2.01	100
etrachloroethene	up/L	ND (5.0)	ND (1.0)	NET (1.0)	NO (1.0)	ND ITO	ND (1.0)	NO11124	ND: (1.0)	100
	ug/L				ND (1.0)		NELLET OF	NO (1.0) NO (1.0)	MD-(1-0)	
righiorpethene	ug/L	NO (5.0)	ND IT DY	MD (1.0)		ND (1,0)				1000
	ug/L	78D (5-8)	*4D (1.0)	ND (LD)	ND (1.0)	NO (1.0)	NIO (1.0)	NO (1.0)	ND (1.0)	2
/inyl Chloride	ug/L	PRE [2.0]		ND (3.9)			ND 73.65		MD 12 D1	
ylene (Total)	ug/L	-	F4D (3.6)		140 (3.0)	NO (3.0)	NU (3.0)	160 (3.0)		10,000
s-1,2-Dichloroethene	ug/L	ND (5.0)	MD-U-Bi	ND (1.0)	MD st 03	NEX (1.29	NE2-11-01	NO.13-07	7407-71.01	6.6
is-1,3-Dichloropropene	ug/L	ND (5.0)	14D (1.9)	ND (I-B)	ND (1.0)	ND (1.8)	ND (1.0)	ND (1-0)	NULLE	
i&p-Xylene	ug/L	HO (te or	140 (2.9)	ND (2.0)	ND (2.0)	ND (2.0)	NO (2.0)	NO (2-0)	ND (2.0)	10,0004
Butylbenzene	ug/L	ND (E.D)	MD/(1.0)	NO.(1.0)	MC-(1.0)	ND (1.9)	HD (1.0)	hi2 (1.0)	NO:(1.0)	1,500
Propylhenzene	ug/L	HD (5.0)	MD:[1:8]	160 (1:0)	8D (1.0)	ND (1,0)	NO LI DE	ND (1:0)	NO.(1.0)	1,500
-Xylene	ug/L	ND (E.O.	ND (LD)	ND (1.0)	MD (1.0)	ND (1.0)	NO (1.0)	NSY(1,0)	NE (1.0)	10,0004
Isopropyltoluene	ugiL	ND (5,0)	NO:(1.0)	180 (1.8)	NE (1.0)	ND (1.6)	MD (1.0)	NDILO	AICF (1.0)	NS
ec-Butylbenzene	ug/L	HD (5.0)	(4511.0)	ND (1.0)	HD (1.3)	ND-1129	ND-(1.0)	NO 11.0)	(40.41.0)	1,500
rans-1,2-Dichloroethene	ug/L	140 (5.0)	ND:1:0)	160 (1.0)	ND (1.9)	NOTES	MDXIX	710 (1-B)	14D (1,0)	100
rans-1,3-Dichloropropene	ug/L	Je215.01	NO (LB)	NO-13:0)	54E) (Y.B)	162371.03	76(3.(1.0)	140.11.00	NO / 1.01	6.6

Page 2 of 4

DIM0227454



All Sampling Rounds 2H/4H Wellsite

Dimock Township,

		Reserve Pit				Monitoring Well				
Location	UNITS	Reserve Pit Water	MW-1 Up-Gradient NW	MW-1 Up-Gradient NW	MW-1 Up-Gradient NW	MW-2 Down-Gradient NE	MW-2 Down-Gradient	MW-4 Side/Down- Gradient SW	MW-4 Side/Down- Gradient SW	MSC ² Residential Use
Sample I.D.	Sitting.	01	MW-1	MW-1	WM-X2	MW-2	MW-2	MW-4	MW-4	Aquifor TDS S2500
Sample Date		3/23/2010	5/20/2010	6/3/2010	6/3/2010	5/20/2010	6/3/2010	5/20/2010	6/4/2010	-
PAHs (8270C SIM)				-						
Acenaphthene	ug/L		16.5) (2.6)	ND (2.7)	ND (2.7)	NO G.6:	NO.(2.0)	ND (2.8)	ND:(2:7)	2200
Acenaphthylene	ug/L		MORRA	NES (2-3)	160 (2.7)	ND 12.51	ND (2.3)	ND (Z.8)	ND (2.7)	2200
Anthracene	ug/L		9(0) (0.02)	ND (0.22)	NO-(0.22)	76D (0-20)	ND-10 (22)	NE (0.22)	NO (0.21)	66
Benzo(a)anthracene	ug/L		NO (0.22)	SH2 15 225	F122 (0.22)	ND / 5 201	NO 10 221	ND(0.22)	ND (0.21)	0.9
Benzo(a)pyrene	ug/L		P(D (0.22)	ND (0.22)	N040 221	14D (0.20)	ND (0.22)	ND.(0.22)	740 (0.21)	0.2
Benzo(b)fluoranthene	ug/L		76D (0.22)	ND (0.22)	ND (0.22)	100 (0.20)	ND (0.22)	ND (0.32)	NO:(0.21)	0.9
Benzo(g,h,i)perylene	ug/L	- V	310 (0.22)	ND (0.22)	NO (8:22)	ND (0.20)	NO (0.22)	NO (0.22)	ND (0.21)	0.26
Benzo(k)fluoranthene	ug/L	-	ND (0.22)	NO 10 223	ND-(0.22)	760 (0.20)	NO 10.723	ND (0.02)	ND:(0.211	0.55
Chrysene	ug/L		(4010.23)	N02 (0.22)	ND (0.27)	145 (0.20)	NO (0.22)	NC (0,22)	740 (0,21)	1.9
Dibenz(a,h)anthracene	ug/L		NO (0.22)	ND (0.72)	ND (9.22)	PID (0:29)	NO 10 223	ME (0.22)	NO(0,21)	0.09
Fluoranthene	ug/L	-	#\$5 (0.22) ·	HD 15.223	MD (0.22)	ND (0.29)	140 (0.27)	ND (0.22)	HD10.211	260
Fluorene	ugil		760 (0.22)	NO (0.22)	ND (0.22)	ND (0.25)	NO-(0.22)	MD (9.22)	140 (0.21)	1500
Indeno(1.2.3-od)pyrene	ug/L		ND (0.22)	NO 80 223	N949.221	760 (0.29)	19(3-(0.27)	NET (0.275	ND 81211	0.9
Naphthalene	ug/L	-	ND DAY	15D (1.3)	ND:(1.1)	[0.13 DH;	NO LLTI	NO:(1.1)	74D (1:1)	100
Phenanthrene	ug/L		ND (0.22)	MD (DID)	HD (0.32)	ND (0.20)	NO (0.22)	MENDERS	ND (3.23)	1100
Pyrene	ug/L		ND(0.22)	MD (8-22)		ND 10 201	ND (0:22)		MO F0 511	130
SVOC# (8270C)								and the same of		
1.2.4-Trichlorobenzene	ug/L		NO ITAL	160-(1-1)	ND (1-1)	NO (1.1):	NED (1 / 1)	NOTELL	MQ (1-1)	70
2-Dichlorobenzene	ug/L		ND (1.1)	MD U.S.		ND:(1.1)	NS (1.1)		ND:(1.f)	600
1,3-Dichlorobenzene	ug/L		NOTE IF	ND (1.1)	(NDLI1-1)	(NG (1.1)	AD LETY.	NOTELL	NED (1.4)	600
1.4-Dichlorobenzene	ug/L	1	(ND x1.1):	NO.(1.1)	MD(11.1)	NEITH	NO (1.1)	NERT I	NO U.O.	75
1-Methylnaphthalene	ug/L		NOX1 to	NEW TELL	NG (1.3)	ND (1.1)	NOTES IT	MPRETE	140 (1.11	NS
2.4.5-Trichlorophenol	ug/L	15.	ND (2.0)	100 (2.7)		M(2)(2月)	MD (2.8)	ND (2.4)	34(2.(2.7)	3,700
2.4.6-Trichlorophenol	ug/L		NEGATION	MOST III	NO.(1.1)	N2 (1.1)	ND (1.1)	19(E-11 -1)	ND (1.1)	11
2.4-Dichlorophenol	ug/L		NO IT IS	2007(1.1)	10.11.1	160 (1.1)	JA2 (1.1)	NU (1.1)	ND/11/1	20
2,4-Dimethylphenol	ug/L		MORNIN	MERTAL	ND-ET-11	HD (E.I)	SED (1.1)	NOT (1.1)	NO-CC 31	730
2,4-Dinitrophenol	ug/L		NP(ZA)	NO (2.7)	htt:/2.71	NO IZE	ND (2.0)	MD (2.8)		19
2,4-Dinitrotoluene	ugiL		RD (fill)	NO (1 (1)	1(0 (1-1)	ND (1,1)	NG (1.11	NO.(3-1)		2.1
2,6-Dinitrotoluene	ug/L		193 (XII)	36D (1.1):	190 (1.1)	40 (1.1)	ND-(1-f)	NOTE I	HD (11)	37
2-Chloronaphthalene	ug/L	7	NO (1.1)	NO.(LIL		MD (1.1)	NO (LT)		ND (1.1)	2,900
2-Chlorophenol	ug/L		ND (1.1)	50(1(1.1)	(43 (1.3)	NO (3.3)	MD (3.1)	NO (T.1)	NET 11 (1)	40
2-Methylnaphthalene	ug/L		ND-11.11	140.(1.1)		HD-(1)	ADVI.II			730
2-Methylphenol(o-Cresol)	ug/L	4	M(2-(1.1)	ND (1.1)	MOUNT	ND (1.1)	ND (1.1)	NG (1.1)	NO 11 AT	1,800
2-Nitroaniline	ug/L		110 (2.0)	(AD (2.7)	fil0 (2.1)	ND (2:6)	ND (7-8)	NO 12.01	ND (2.7)	2.1
2-Nitrophenol	ug/L		1400 (1.1)	NO (1/1)	NO (1.1)	NO ELLE	NO (T.1)	MOTEST)	NO (1-1)	290
3&4 Methylphenol(m&p Cresol)	ug/L		秋0.位之1	- MD (2.7)	1/(2/22)	140 (2.0-	#12:12:20	M(3+(2-2)	相原原数	180
3,3'-Dichlorobenzidine	ug/L	1	M0 (1.1)	461(11)	1(0)(1(1)	(1,1)(2)4	74D (1.T)	NR (Y T)	160 (1:0)	1.5
3-Nitroaniline	ug/L		110-(2.6)	ND (2.7)	NO.(2.7)	和提供	NII (2.8)	ND (Z.8)	ND (2.7)	2.1
6-Dinitro-2-methylphenol	ug/L		NO.12.8)	MD (2:7)	1(0 (0.7)	NOLEM	NO (2.8)	NO (2.8)	AID (2.7)	5
Bromophenylphenyl ether	ug/L		5011.1	NO (1-1)	FD (1-3)	ND(T3)	ND (I II)	ND (LLT)	FRD (1.1)	5
-Chloro-3-methylphenol	ug/L		180 (1.1)	50 (1:1)	HD (I.I)	ND(6.1)	ND (1.1)	ND (L. I)	ND (1.1)	180
-Chloroaniline	ug/L		NO CLEAN	263.(1.1)	(si2 (f s)	2002(1.1)	80.00	NELCE TO	1900 (1.T)	150
-Chlorophenylphenyl ether	ug/L	-	ND (1.1)	26E(f-1)	AD (+1)	10.17.034	ND (1.1)	ND/1 ()	160 (1:1)	5
-Nitroaniline	ug/L		ND (Z)的	ND (227)	160 (2.7)	ND (2.6)	NO (2.4)	ND (2.8)	NO (2.7)	2.1
-Nitrophenal	ug/L		WELL IN	ND11.1	NO.(1.1)	WD (Add)	NO (1.3)	ND (E1)	MODEL	60
cenaphthene	ug/L		761(1)(1)	NO.18.13	507 (1.0)	140.(1.3)	ND (1.3)	ND (1.1)	ND (LT)	2,200
Acenaphthylene	ug/L		BU (LB)	100111	MD-11.1)	ND(1.7)	120 (1.1)	ND (1.1)	ND (1.1)	2,200
Anthracene	ug/L	-	ND (1:1)	10 (1.1)	F0 (1.3)	ALD (1-1)	NOTES	ND (1.1)	140 (1.1)	66
Azobenzene	ug/L		NO (T.I)	500 (1.1)	NO (ED)	WD:(1.11)	ND (1:1)	ND (t-t)	NO (1.1)	NS
Benzo(a)anthracene	ug/L		160 (1.1)	HD.(1,1)	极烈力	ND (1.1)	ND (7.1)	MIF(ET)	140 (1.1)	0.9
Senzo(a)pyrene	ug/L	-	HOL(1:0)	ND:(f:1)	NS (1,1)	.1(D:(1:1)	ND (1/1)	ND (1.1)	NO (1)	0.2
Bestzo(b)fluoranthene	ugiL		NEX (Y.T)	ND (1,3)-	ND (fift)	NDCLT	担(1,1)	NE(ET)	NO. SECTION	0.9
Benzo(g.h.i)perylene	ug/L	-	(40 (1.1)	NOTE TO	NO (E1)	ND(1:1)	100 (1.3)	NS (T-1)	NO.(13)	0.26
Senzo(k)fluoranthene	ug/L		NO (1.1)	19071.13	MO (1.1)	76D-29.13	ND (CT)	363 (1.1)	N12 (5-1)	0.55

Page 3 of 4

		Reserve Pit Water 01 3/23/2010	Monitoring Wells							MSC ²											
Location Sample I.D. Sample Date	UNITS		MW-1 Up-Gradient NW MW-1 5/20/2010	MW-1 Up-Gradent NW MW-1 6/3/2010	MW-1 Up-Gradient NW MW-X ³ 6/3/2010	MW-2 Down-Gradient NE MW-2 \$/20/2010	MW-2 Down-Gradient NE MW-2 6/3/2010	MW-4 Side-Down- Gradient SW MW-4 5/20/2010	MW-4 Side/Dever- Gradient SW MW-4	Residential Use Aquifer TDS \$2500											
											SVOCs (8270C) continued										
											Beruroic acid	ug/L		35D (112)	1401.01101	ND (108)	NO (162)	NG (111)	ND:11121	120 (106)	150,000
											Benzyl alcohol	ug/L		NO IT IT	MO H H	-ND(Ef)	NOV(1/11	ND15TI	ND:11 th	NOUTE	11,000
bis(2-Chloroethoxy)methane	ug/L		NEXT (E.T)	ND:(1.1)	ND (1.1)	NO-(1.1)	200 (1.1):	ND (1.11	ND (1:1)	5											
bis(2-Chloroethyl) ether	ug/L		NO (1.1)	NO 11-17	MD (1.1)	ND-(1-1)	North S	NO-(1.3)	ND IT I	0.13											
bis(2-Chloroisopropyl) ether	ug/L		MORT SE	- NO (1.1)	-14D (T:4)	NO (121)	NOUTE	24D (1.1)	MO(E)	300											
bis(2-Ethylhexyl)phthalate	ug/L		N(2+1-1)	ND (T I)	ND (1.1)	8.6	5.2	PHD (4:3)	5,8	6											
Butylbenzylphthalate	ug/L		(ND-(1-1)	ME2 (1-1)	NO (T.1)	ND (1,1)	100(11)	ND (17)	NP(133)	2,700											
Carbazole	ug'L		ND((1)	MD((1.1)	(ND-(101))	ND:(1:1)	SMORTHE	PAD AT 10	MP (1.1)	33											
Chrysene	ugit	-	MD1111	80-(1.1)	ND (1.1)	H(1) (1.1)	ND (I I)	FEET (1.7)	NO.(1.1)	1.9											
Dibenz(a,h)anthracene	ug/L		HD(1,1)	HD ((1)	ND (1.1)	300 (1.11	MULTIN	MD (EX)	19(3) (3.3)	0.09											
Dibenzofuran	ug'L		RD (E1)	1902-11-11	N03113)	18215.11	- HELLINI	NO(1.1)	NO IV.ST	5											
Diethylphthalate	ug/L		700 (1.1)	100 (1.1)	North ()	ND(Et)	NO (1.1)	NDVI'I)	ND-(1.1)	5,000											
Dimethylphthalate	ug/L	-	A(0.10.1)	MD (1.1)	42(1.1)	107(113)	NO((1.1)	NO(1/F)	ND ALT	5											
Di-n-butylphthalate	ug/L		持犯打印	160-34-33	NO (1.1)	ND(13)	ND(11)	ND (13)	ND (1.1)	3,700											
Di-n-octylphthalate	ug/L	1	75(3)(1,1)	NO CLIF	NO (LT)	1000(1.1)	ND (1.1)	ND(14)	7812 (1.1)	NS											
Fluoranthene	ug/L		NO.11/E)	NID (1.1)	ND (11)	ND (E)	807111	NOTELLE	ND (1.1)	260											
Fluorene	ug/L		NO(E1)	NCERT N	MD-(1-1)	ND4T-D	NO (1.1)	HD (1.3)	11(3-11,1)	1,500											
Hexachloro-1,3-butadiene	ug/L		MEDITI	AD (1.1)	NE(45,1)	ND41.B	NO LET	ND (1.1)	MD-(1.1)	1											
Hexachlorobenzene	ug/L		162 (1.3)	NO LET	N2 (1:1)	ND(13)	7/D (1.1)	NO(1/1)	NO (1) TE	1											
Hexachlorocyclopentadiene	ug/L	-	302-13:17	ND(1.1)	ND (1.1)	ND31:13	(BD(0.1)	ND(13)	ME-11 ()	50											
Hexachioroethane	ug/L		MD(1.1)	NS(Lt)	ND (1.1)	N5 (1.1)	ND-(1.1)	ND (U.D.	ND 27 1)	1											
Indeno(1,2,3-cd)pyrene	ug/L		ND(11.1)	100 (1.1)	NO (1 I)	MP (LT)	HD31 II	HD (F.1)	100 (1.1)	0.9											
sophorone	ug/L	-	HE(1)	NO ELEX	10011	MOUNT	ND-(1,1)	NO (1.13	物饮化加	100											
Naphthalene	ugrL		ASIL (1.3)	MOLETE	ND-(1-1)	用加亚	1277.1-11	16(11.1)		100											
Nitrobenzene	ug/L		240(111)	NOTE AL	ND (1/1)	ND-11:33	HD (E3)	MPILE	MERITA	18											
N-Nitrosodimethylamine	ug/L		NR((1.1)	ND (1.1):	ND.(1.1)	ND (LUI)	8031.11	ND (1.1)	NO (T.1)	0.0031											
N-Nitroso-di-n-propylamine	ug/L		16(3 (1.1)	HD((17)	- 64D-51 (43)	720 (7.1)	ND (1.1)	MD (1.1)	NO 11/13	0.094											
N-Nitrosodiphenylamine	ugiL		NERTH ()	ADDICA)	NO (1,1)	WD (1.1)	ND (13)	ND(T,T)	NO (1.1)	130											
Pentachlorophenol	ogrL		ND (Z-f)	100 (2.3)	NO (2.7)	ND(ZS)	7(0:(2.5)	ND (2.5)	ND (2.2)	1											
Phenanthrene	ug/L		ND G.B.	ND (LE	ND(13)	HD(f(l)	HD (3.17	MORELLA	ND (L3)	1,100											
Phenol	nair		NO (1.1)	76273.32	NOTED	NO.(1.1)	ND-D.1)	WD (T/D)	ND (LT)	4,000											
Pyrene	ug/L		10 (1.1)	NO EST	Mortal	MULTIUS	9453 (1.55	10.(1.7)	NO (1.1)	130											
General Chemistry																					
pH TPH-DRO	pH units	10.44	7.0 0.14	7.6	7,4 NO:40.111	7.0	7.3	0.2	7.0	6,5-8.5 NS											
TPH-GRO	mg/L		0.14			NO (0.13)	RO (0.11)	0.2													
Dil and Grease	mg/L	-	167 (0.50)	#ED (0.20)	165 (0.58)	NILS FO. 201	201 10 200	1613 (U-2/U)	對0 (6.30)	NS NS											
TPH Grease	mg/L		ND (A.B)	NEH (5-2)	NO (5.2)	ND (4.0)	ND (0:0)	ND (4.6)	NO (4.9)	NS NS											
Acidity	mg/L		THE 14 CT	MD-59/87	ND 11 (0.0)	NO (10.0)	ND-130 01	500 (40 m)	F213 (4.03)	NS NS											
Alkalinity	mg/L		88.0	50.0	90.0			58.0	85.0	NS NS											
Arnmonia	mg/L		0.16	50.0 NEV 110.00	0.12	NO (10.0)	ND (10.0)	38,0	NO 0 101	NS NS											
Ethylene Glycol	mg/L		U.10	NO (10.0)	0.12	ND 718.80	04.0	MD-710 01	ME3 (10 0)	14.0											
TSS	mg/L	1745	1963 5310 147	1907 [10.0]	140-116-01	1967 [10.10	2362 (196-97	7467 (10.0)	1962 1 151 107	NS											
TDS	mg/L mg/L	1333	138	266	208	92.0	188	50.0	182	500											
Sulfide	mg/L	40.00	100	2.90	100	34.0	100	50.0	102	0.005											
MBAS	mg/L	2007 LAND	0.11	BIO 10, 101	NEW 100 100	. 2473.45 Y.S.	M(F) 280 T/S	HENCE TOO	MD (0.10)	0.005 NS											
Chloride	mg/L	302	11.6	11.0	11.8	12.5	11.3	6.6	7.6	250											
Total Coliform (SM ₂₀ 9222B)				163	424	1080	350			NS.											
	cfu/100 ml	10,000	110					800	200												
Fecal Coliform (SM ₂₀ 9222B)	cfu/100 ml	-	30	150	424	600	350	800	200	NS											
Fecal Coliform (SM ₂₀ 92220)	cfu/100 ml	5,400	30	192	576	620	304	600	140	NS											
Fecal Strep (SM ₃₀ 9230C)	cfu/100 ml	-	84	552	640	14	<1	180	100	NS											

Page 4 of 4

Notes:

- NO (5.0) = Parameter not detected at the detection limit specified in parentheses.

- Statewide Health Standard residential, used aquifer (TDS 2500 mg/ll, Medium-Specific Concentrations (SHS R-U MSC; 25 PA Code Chapter 250)

- No Standard

- As Total sydenes

- As Total sydenes

- Field Deplicate of MW-1

- Residential control of MW-1

- Residential

Table 7 Groundwater and Surface Water Elevations



Dimock Township Susquehanna County, PA

Location Dat		Well Diameter (in)	Total Depth (ft-bgs) ¹	TOC Elevation (ft-msl)	Ground Surface Elevation (ft-msl)	Depth to Groundwater (ft)	Groundwater Elevation (ft-msl)	
Cavanaugh Pond NE	5/11/2010	NA	NA	NA	1473.13	0.00	1473.13	
Cavanaugh Pond NW	5/11/2010	NA	NA	NA	1527.29	0.00	1527.29	
Pond SW	5/11/2010	NA	NA	NA	1395.27	0.00	1395.27	
Pond SE	5/11/2010	NA	NA	NA	1419.91	0.00	1419.91	
Hand Dug Well	05/13/10	NA	NA	1478.78	1477.42	8.40	1470.38	
Shallow Well	05/13/10	NA	NA	1427.19	1426.54	2.96	1424.23	
Shallow Well	05/13/10	NA	NA	1424.62	1423.24	1.40	1423.22	
Hand Dug Well	05/20/10	NA	NA	1478.78	1477.42	7.57	1471.21	
Shallow Well	05/20/10	NA	NA	1427.19	1426.54	2.96	1424.23	
Shallow Well	05/20/10	NA	NA	1424.62	1423.24	3.12	1421.50	
MW-1	05/20/10	2"	26.45	1551.48	1547.43	16.99	1534.49	
MW-2	05/20/10	2"	57.85	1550.30	1546.01	54.34	1495.96	
MW-4	05/20/10	2"	90.92	1549.51	1546.30	86.76	1462.75	
Hand Dug Well	06/03/10	NA	NA	1478.78	1477.42	8.47	1470.31	
Shallow Well	06/03/10	NA	NA	1427.19	1426.54	2.98	1424.21	
Shallow Well	06/03/10	NA	NA	1424.62	1423.24	2.89	1421.73	
MW-1	06/03/10	2"	26.45	1551.48	1547.43	15.81	1535.67	
MW-2	06/03/10	2"	57.85	1550.30	1546.01	51.50	1498.80	
MW-4	06/03/10	2"	90.92	1549.51	1546.30	88.79	1460.72	

Notes:

¹= Total depth was measured from ground surface

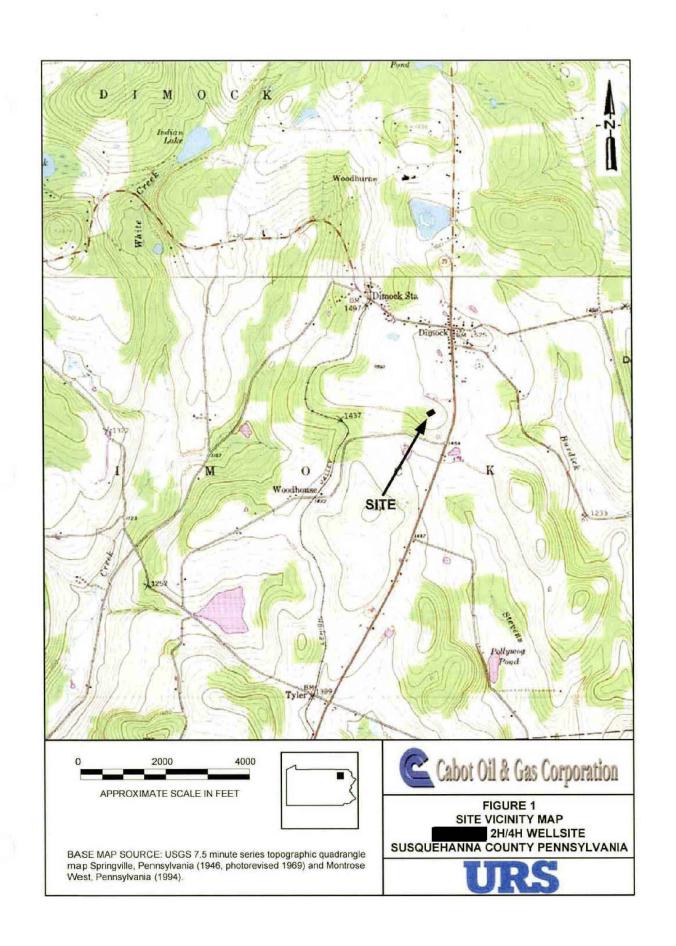
TOC - Top of casing.
ft-msl - Feet mean sea level.
NA = Not available

DIM0227454

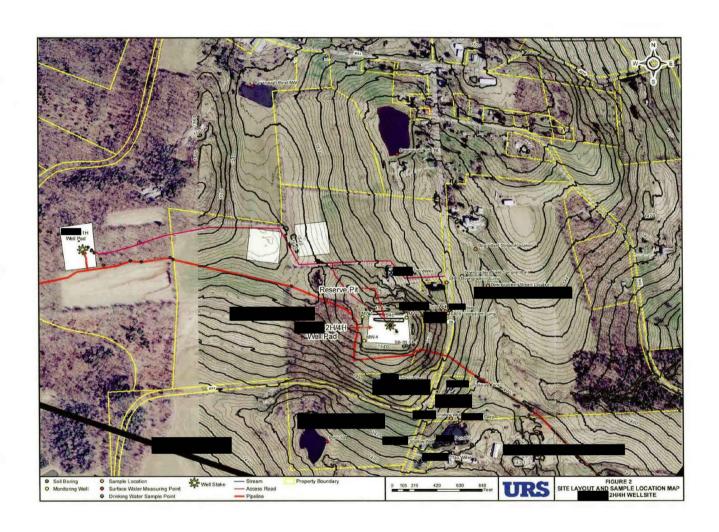
CABOT-EPA 006307

FIGURES

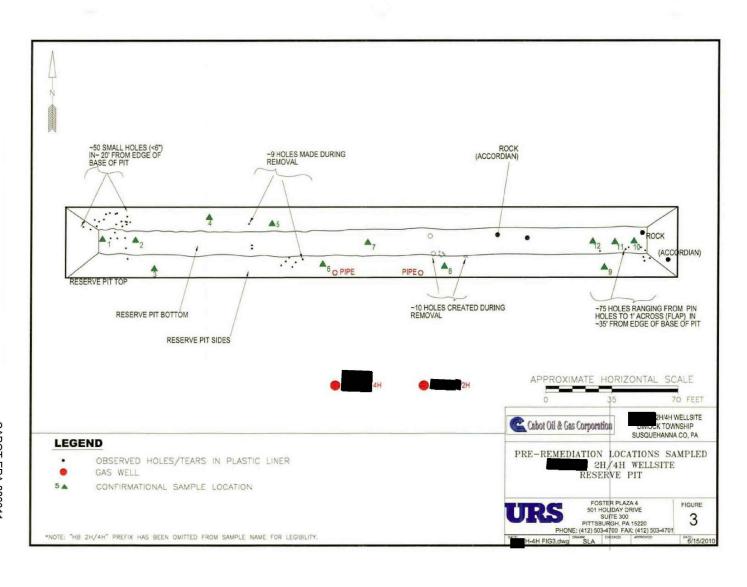
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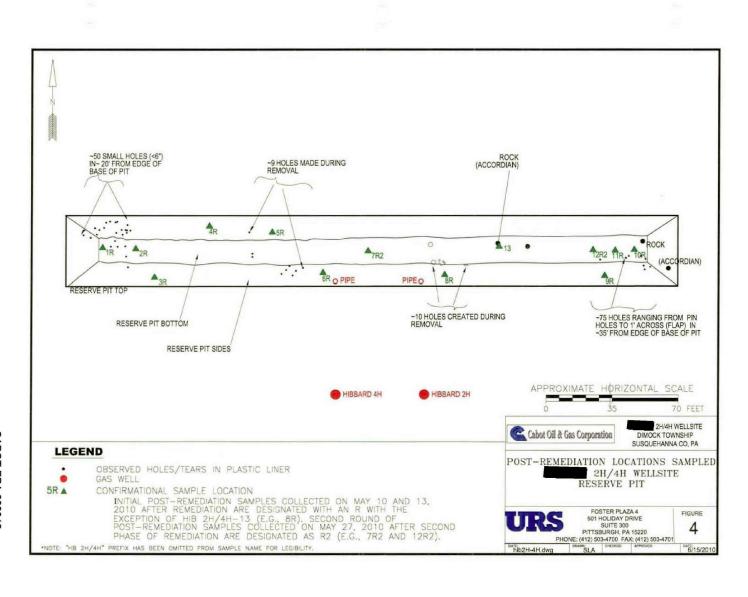


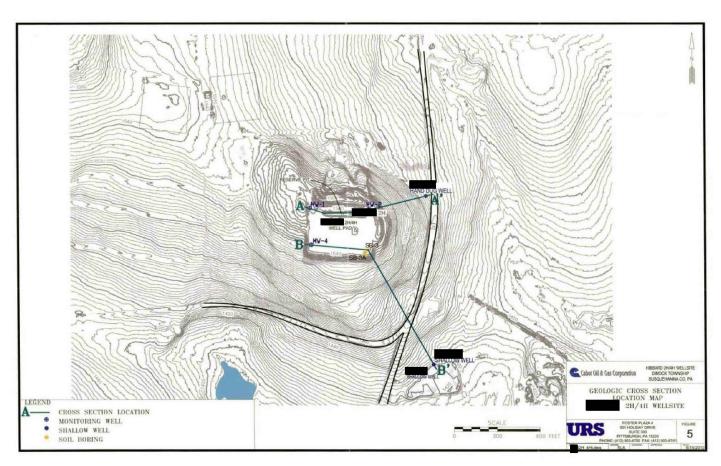
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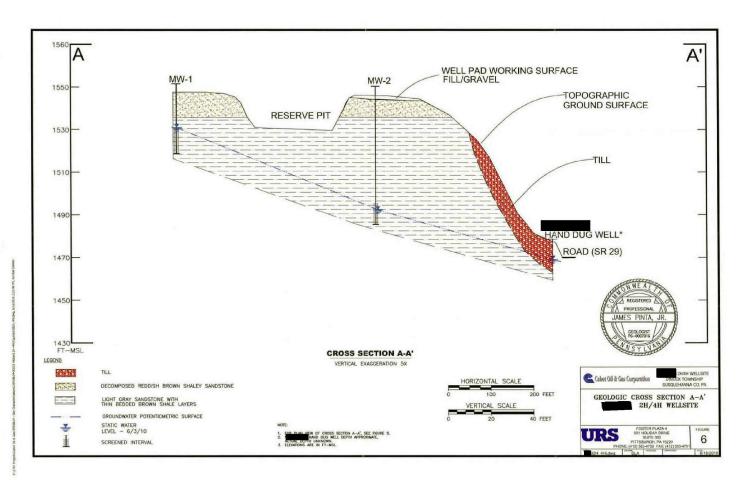


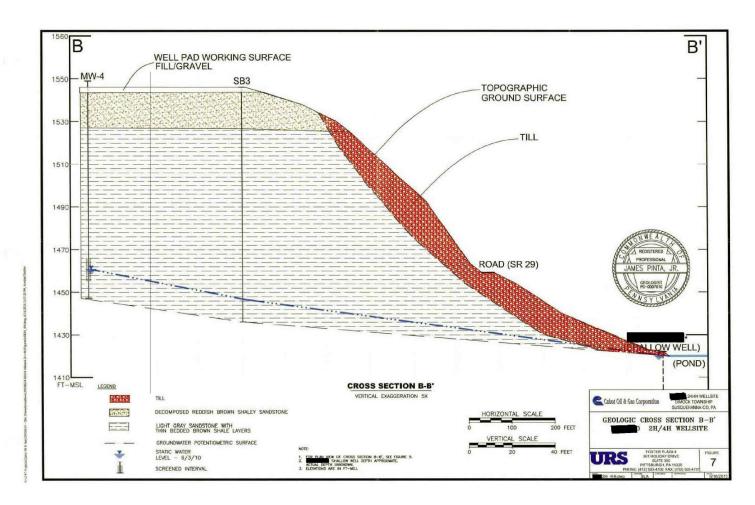
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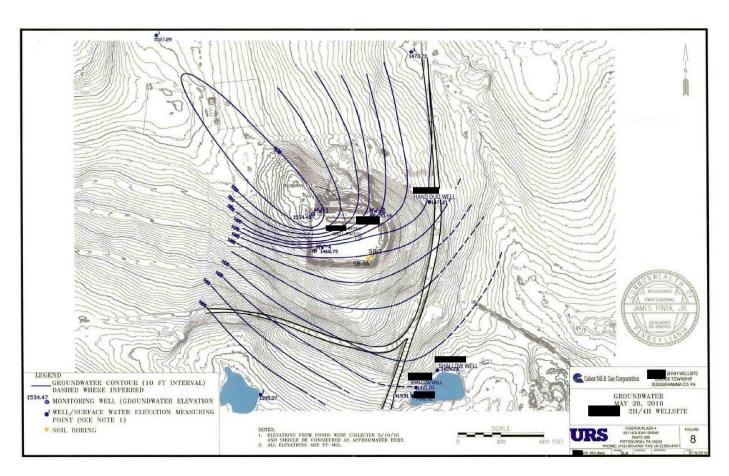


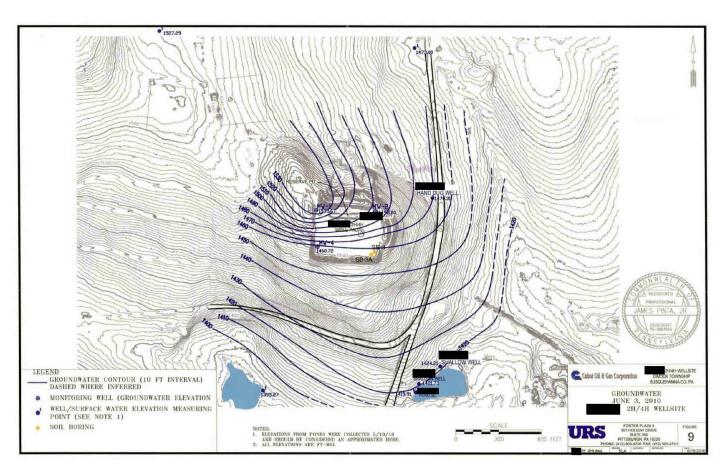












DIM0227454

Figure 10A

Relative Concentrations of Dissolved Metals, pH, and Chloride for Water Samples April 2009 to March 2010
24/44H Welfister Vicinity

Area of Black Water Occurrence Investigation

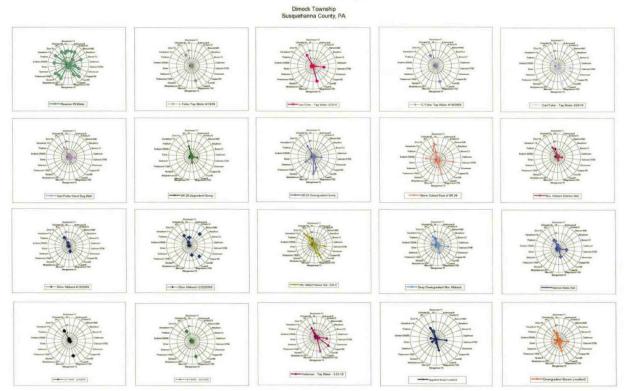


Figure 108 Relative Concentrations of Dissolved Metals and Chloride for Water Samples May 2010 2H/4H Welliste Vicinity Area of Black Water Occurrence Investigation

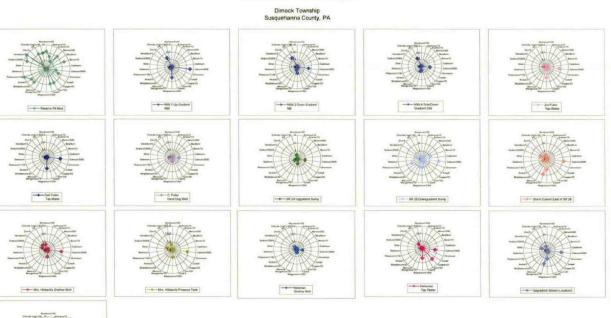
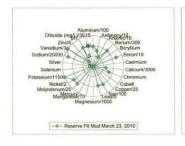
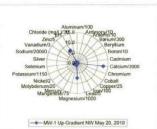
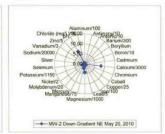


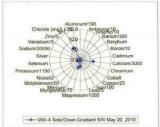
Figure 10C Relative Concentrations of Dissolved Metals, p.H. and Chloride for Water Samples in Groundwater Monitoring Wells 2H/4H Welste Vicinity Area of Black Water Occurrence Investigation

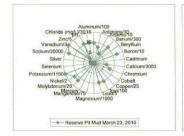
Dimock Township Susquehanna County, PA

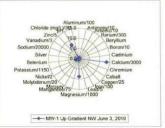


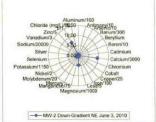


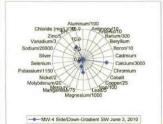


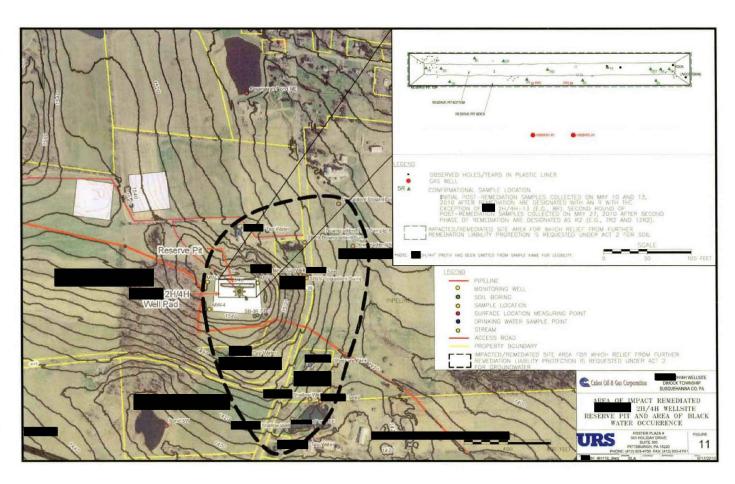












CABOT-EPA 006322

APPENDIX A

PADEP Notice of Violation and PADEP Order



Northeast Regional Office

570-826-2300 Fax 570-830-3016

NOTICE OF VIOLATION

CERTIFIED MAIL NO.: 7009 1410 0000 2456 8111

Mr. Phillip Stalnaker Cabot Oil & Gas Corporation 5 Penn Center West, Suite 401 Pittsburgh, PA 15276-0120

Re: #2H & 4H Well Pad, No. 115-20149 & 115-20179
Dimock Twp, Susquehanna County

Dear Mr. Stalnaker:

On March, 21 2010 the Department received a phone report from Cabot Oil & Gas Corp regarding black fluid that was discovered in a ditch near the 2H & 4H well pad located in Dimock Township, Susquehanna County. Department personnel were on site March 22nd, 23rd, and 24th and documented the following violations of the Clean Streams Law of Pennsylvania, 35 P.S. §691.1 et seq.; the Oil and Gas Act, 58 P.S. §601.101 et seq.; the Solid Waste Management Act, 35 P.S. §6018.101, et seq.; and the rules and regulations promulgated under these statutes:

1. Pits or tanks for temporary containment

The investigation revealed that black fluid originating on the 2H & 4H drill pad was not properly contained in a pit or tank. This is a violation of section 78.56(a)(1) of the Department's regulations, 25 PA Code §78.56(a)(1), which provides:

"Except as provided in §§ 78.60(b) and 78.61(b) (relating to discharge requirements; and disposal of drill cuttings), the operator shall contain pollutional substances and wastes from the drilling, altering, completing, recompleting, servicing and plugging the well,

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including brines, drill cuttings, drilling muds, oils, stimulation fluids, well treatment and servicing fluids, plugging and drilling fluids other than gases in a pit, tank or series of pits and tanks."

2. <u>Unpermitted discharge of polluting substances.</u>

The investigation also revealed that the black fluid originating from the 2H & 4H location entered a hand dug well and a spring near the location, as well as a wetland downgradient of the spring. This is a violation of Section 401 of the Clean Streams Law, 35 P.S. §691.401, which provides:

"It shall be unlawful for any person or municipality to put or place into any of the waters of the Commonwealth, or allow or permit to be discharged from property owned or occupied by such person into any waters of the Commonwealth, any substance of any kind or character resulting in pollution as herein defined."

A violation of the Clean Streams Law or the rules and regulations promulgated thereunder is contrary to Section 602 and 611 of that Act, for which the Department could institute administrative, civil, and/or criminal proceedings. The Act provides for up to \$10,000 per day in civil penalties and up to \$25,000 in criminal penalties for each violation. Each day of continued violation constitutes a separate offense.

A violation of the Solid Waste Management Act or the rules or regulations promulgated thereunder is contrary to Sections 601 and 610 of that Act, for which the Department could institute administrative, civil, and/or criminal proceedings. The Act provides for up to \$25,000 per day in civil penalties and up to \$25,000 in criminal penalties for each violation. Each day of continued violation constitutes a separate offense.

A violation of the Oil and Gas Act or the rules or regulations promulgated thereunder is contrary to Sections 505 and 509 of that Act, for which the Department could institute administrative, civil, and/or criminal proceedings. The Act provides for up to \$25,000 in civil penalties plus \$1,000 for each day of continued violation and up to \$5,000 in criminal penalties for each violation.

Please notify me in writing within 10 days of your receipt of this notice, as to the cause(s) of this incident, when the above listed violations were or will be corrected and what steps are being taken to prevent their recurrence. Please include any documentation to verify the efficacy of clean-up activities. Specifically, please investigate the condition of the drill pit and liner on the 2H and 4H well site. The Department strongly recommends that the liner and cuttings be removed from the pit and properly disposed of, prior to restoration of the site. Please notify me once all cuttings and fluid are removed from the pit so that we can examine the condition of the liner.

CABOT-EPA 006325

This Notice of Violation is neither an order nor any other final action of the Department of Environmental Protection. It neither imposes nor waives any enforcement action available to the Department under any of its statutes. If the Department determines that an enforcement action is appropriate, you will be notified of the action.

If you have any questions concerning the above, please contact me.

Sincerely,

Michael O'Donnell

Water Quality Specialist Oil and Gas Management

cc: John Ryder

Marc B. Cooley Eric Rooney NCRO File



East Region Oil and Gas Management

April 29, 2010

CERTIFIED MAIL NO. 7009 3410 0000 3618 5881

Mr. Phil Stalnaker Regional Manager Cabot Oil & Gas Corporation Five Penn Center West, Suite 401 Pittsburgh, PA 15276-0120

Dear Mr. Stalnaker:

Enclosed is an Order of the Department dated April 29, 2010, which has been issued by the Department to you.

We believe that the order is self explanatory, but if you have any questions concerning this matter, please feel free to contact me at (570) 321-6557.

Sincerely,

Tennifer W. Means

Environmental Program Manager

Oil and Gas Management

Enclosure

cc: File

208 West Third Street | Suite 101 | Williamsport, PA 17701-6448

COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION

In the matter of:

Cabot Oil & Gas Corporation

Dimock Township Susquehanna County Removal of Reserve Pit

Located at 2H and

: 4H Well Pad

ORDER

NOW, this April 29, 2010, the Commonwealth of Pennsylvania, Department of Environmental Protection (hereinafter "Department") has determined the following findings of fact and conclusions of law:

- A. The Department is the administrative agency vested with the authority and responsibility to administer and enforce the requirements of: The Clean Streams Law, Act of June 22, 1937, P.L. 1987, as amended, 35 P.S. § 691.1 et seq. (hereinafter "Clean Streams Law"); the Oil and Gas Act, Act of December 19, 1984, P.L. 1140, No. 223, as amended, 58 P.S. § 601.101 et seq. (hereinafter "Oil and Gas Act"); Section 1917-A of the Administrative Code, Act of April 9, 1929, P.L. 177, as amended, 71 P.S. § 510-17 (hereinafter "Administrative Code"); and the rules and regulations promulgated thereunder.
- B. Cabot Oil & Gas Corporation (hereinafter "Cabot Oil & Gas Corporation") is a Delaware corporation authorized to do business in Pennsylvania which maintains a business address of Five Penn Center West, Suite 401, Pittsburgh, Pennsylvania 15276-0120.
- C. Section 601.103 of the Oil and Gas Act, 58 P.S. § 601.103, defines, in relevant part, a "[p]erson" to be "[a]ny individual, association, partnership, corporation, ... or other legal entity."
- D. Section 1 of the Clean Streams Law, 35 P.S. § 691.1, defines, in relevant part, a "[p]crson" to be "... any natural person, partnership, association or corporation ..."
- E. Cabot Oil & Gas Corporation constitutes a "person" as defined by Section 601.103, of the Oil and Gas Act, 58 P.S. § 601.103, and Section 1 of the Clean Streams Law, 35 P.S. § 691.1.
- F. Section 601.103 of the Oil and Gas Act, 58 P.S. § 601.103, defines, in relevant part, an "[o]wncr" to be "[a]ny person who owns, manages, leases, controls or possesses any well"

CABOT-EPA 006328

- G. Section 601.103 of the Oil and Gas Act, 58 P.S. § 601.103, defines, in relevant part, a "[w]ell" to be "[a] bore hole drilled ... for the purpose of or to be used for producing, extracting or injecting any gas, petroleum or other liquid related to oil or gas production or storage, ..., but excluding bore holes drilled to produce potable water to be used as such."
- H. Section 601.103 of the Oil and Gas Act, 58 P.S. § 601.103, defines, in relevant part, a "[w]ell operator" to be "[t]he person designated as the well operator ... on the permit application or well registration."
- I. Cabot Oil & Gas Corporation constitutes an "owner" and a "well operator" as defined by Section 601.103 of the Oil and Gas Act, 58 P.S. § 601.103.
- J. Cabot Oil & Gas Corporation is the "owner" and "operator", as those terms are defined in Section 103 of the Oil and Gas Act, 58 P.S. § 601.103, of the authorized by permit 37-115-20149-00 (hereinafter '2H"), and the authorized by permit 37-115-20222-00 (hereinafter '4H"), both located in Dimock Township, Susquehanna County, Pennsylvania.
- K. On March 17, 2010, the Department observed tanker trucks emptying a black fluid (hereinafter "black fluid") directly into a reserve pit (hereinafter "reserve pit") located on the well pad housing both the 2H and the 4H. No drilling or hydro-fracturing activities were taking place at either the 2H or the 4H on this date.
- L. On March 21, 2010, the Department received a telephone report from Cabot Oil & Gas Corporation describing the presence of a black fluid observed in a ditch near the well pad housing both the 2H and the 4H.
- M. In response to the reported presence of a black fluid in a ditch near the well pad housing both the 2H and the 4H, on March 21, 2010, Cabot Oil & Gas Corporation dispatched a vacuum truck to remove the black fluid from the ditch and a nearby hand dug well. Additionally, Cabot Oil & Gas Corporation constructed a shallow sump within a drainage swale to intercept the black fluid flowing towards the drainage ditch and continuously pump the black fluid to the vacuum truck.
- N. On March 22, 23 and 24, 2010, the Department inspected the reported black fluid in a ditch near the well pad housing both the 2H and the 2H and the 2H. The Department observed the black fluid in the reserve pit. Tears in the liner of the reserve pit had allowed the black fluid to discharge from the reserve pit. Black fluid was subsequently observed in an adjacent ditch and a nearby hand dug well and spring.
- O. On April 8, 2010, the Department issued a Notice of Violation (hereinafter "NOV") to Cabot Oil & Gas Corporation in response to the events described in Paragraphs K through N, above. The NOV requested, in part, that Cabot Oil & Gas Corporation remove all cuttings and fluids from the reserve pit. Further, the NOV requested that Cabot Oil & Gas Corporation notify the Department upon the completion of the cuttings and fluids removal from the reserve pit such that the Department could then adequately inspect the condition of the liner placed in the reserve pit.

- P. Section 1 of the Clean Streams Law 35 P.S. § 691.1, defines, in relevant part, "[p]ollution" to mean "contamination of any waters of the Commonwealth such as will create or is likely to create a nuisance or to render such waters harmful, detrimental or injurious to public health, safety or welfare, or to domestic, ..., or other legitimate beneficial uses, ..., including but not limited to such contamination by alteration of the physical, chemical or biological properties of such waters, or change in temperature, taste, color or odor thereof, or the discharge of any liquid, gaseous, ..., solid or other substances into such waters."
- Q. Section 401 of the Clean Streams Law 35 P.S. § 691.401, states, in relevant part, "PROHIBITION AGAINST OTHER POLLUTIONS. It shall be unlawful for any person ... to put or place into any of the waters of the Commonwealth, or allow or permit to be discharged from property ... occupied by such person ... into any of the waters of the Commonwealth, any substance of any kind or character resulting in pollution as herein defined. Any such discharge is hereby declared to be a nuisance."
- R. Section 78.56(a)(1) of the Department's Rules and Regulations, 25 Pa. Code § 78.56(a)(1), states, in relevant part, "Pits and tanks for temporary containment. (a) Except as provided in §§ 78.60(b) and 78.61(b) (relating to discharge requirements; and disposal of drill cuttings), the operator shall contain pollutional substances and wastes from the drilling, altering, completing, recompleting, servicing and plugging the well, including brines, drill cuttings, drilling muds, oils, stimulation fluids, well treatment and servicing fluids, plugging and drilling fluids other than gases in a pit, ... or series or pits The operator shall install or construct and maintain the pit, ... or series of pits ... in accordance with the following requirements: (1) The pit, ... or series of pits ... shall be constructed and maintained ... to contain all pollutional substances and wastes which are used or produced during drilling, ..., [and] completing ... the well."
- S. As of the date of this Order, Cabot Oil & Gas Corporation has not completed the cuttings and fluids removal from the reserve pit such that the Department can adequately inspect the condition of the liner placed in the reserve pit. Cabot Oil & Gas Corporation has also not adequately addressed the black fluid discharge from the reserve pit as requested in Paragraph O, above.
- T. The black fluid discharge to the ditch, the hand dug well, and the spring from the reserve pit located on the well pad housing both the 2H and the 4H constitutes "pollution" as defined in Section 1 of the Clean Streams Law, 35 P.S. § 691.1, and violates Section 401 of the Clean Streams Law 35 P.S. § 691.401.
- U. The failure to contain the black fluid in the reserve pit located on the well pad housing both the 2H and the 4H violates Section 78.56(a)(1) of the Department's Rules and Regulations, 25 Pa. Code § 78.56(a)(1).
- V. The conditions described above constitute unlawful conduct under Section 611 of the Clean Streams Law, 35 P.S. §§ 691.611; and Section 509 of the Oil and Gas Act, 58 P.S. § 601.509; and a statutory nuisance under Section601 of the Clean Streams Law, 35 P.S. §§ 691.601; and Section 502 of the Oil and Gas Act, 58 P.S. § 601.502.

NOW, THEREFORE, under the authority of Section 5 of the Clean Streams Law, 35 P.S. §§ 691.5; Section 503 of the Oil and Gas Act, 58 P.S. § 503; and Section 1917-A of the Administrative Code of 1929, 71 P.S. § 510-17, it is hereby **ORDERED** that:

- 1. Cabot Oil & Gas Corporation shall, within three (3) calendar days of receipt of this Order, remove all cuttings and fluids from the reserve pit.
- 2. Cabot Oil & Gas Corporation shall, within seven (7) calendar days of receipt of this Order, commence with the final closure and removal of the reserve pit.
- 3. Cabot Oil & Gas Corporation shall, within fourteen (14) calendar days of receipt of this Order, complete the final closure and removal of the reserve pit.
- 4. Cabot Oil & Gas Corporation shall simultaneously notify the Department of the date upon which each of the tasks described in Paragraphs 1 through 3, above are initiated and/or completed such that the Department can then adequately inspect the condition of the liner placed in the reserve pit and oversee the final closure and removal of the reserve pit.
- 5. Cabot Oil & Gas Corporation shall, within eighteen (18) calendar days of receipt of this Order, submit to the Department a letter describing the completion of the final closure and removal of the reserve pit.
- 6. Cabot Oil & Gas Corporation shall, within seven (7) calendar days of receipt of this Order, submit to the Department for review and approval a full and thorough Site Characterization work plan detailing all tasks necessary to define the horizontal and vertical extent of contamination in soil, groundwater, and surface water in the areas surrounding the well pad housing both the 2H and the 4H.
- 7. Cabot Oil & Gas Corporation shall, within thirty (30) calendar days of receipt of this Order, complete those tasks needed to conduct a full and thorough Site Characterization as necessary to define the horizontal and vertical extent of contamination in soil, groundwater, and surface water. Such investigation should include, but not be limited to, the taking of appropriate soil samples and placement of monitoring wells.
- 8. Cabot Oil & Gas Corporation shall, within forty-five (45) calendar days of receipt of this Order, submit to the Department a Site Characterization Report setting forth the results of its investigation and analysis. If necessary, the Department shall comment, in writing, on the report and, within fifteen (15) days of receipt of the Department's comments, Cabot Oil & Gas Corporation shall address the Department's comments and submit a revised report to the Department responding to the comments.
- 9. Cabot Oil & Gas Corporation shall, within fifteen (15) calendar days of submission to the Department of the Site Characterization Report, as described in Paragraph 8, above, submit to the Department a work plan outlining proposals for remediation of any soil, groundwater, and surface water contamination as identified in the Site Characterization Report in accordance with the Land Recycling Program Regulations, 25 Pa. Code Chapter 250 and setting forth a schedule

for initiation and completion dates. If the plan is disapproved, Cabot Oil & Gas Corporation shall modify the plan, incorporate the Department's comments, and submit a revised plan to the Department within fifteen (15) days. The cleanup levels set forth in the work plan for remediation of soil, groundwater, and surface water contamination shall be governed by the cleanup standards established in 25 Pa. Code Chapter 250.

- 10. Upon approval of the work plan by the Department, Cabot Oil & Gas Corporation shall implement the remediation activities outlined in the work plan. Cabot Oil & Gas Corporation shall submit Quarterly Progress Reports outlining activities undertaken in the implementation of the work plan.
- 11. Cabot Oil & Gas Corporation shall submit a Final Report to the Department demonstrating attainment of the cleanup levels established in the work plan. The Final Report shall be submitted in accordance with Act 2, 35 P.S. §§ 6026.302, 6026.303, and/or 6026.304.
 - 12. All correspondence with the Department regarding this Order shall be sent to:

Jennifer W. Means
Environmental Program Manager
East Region Oil and Gas Management
Department of Environmental Protection
208 West Third Street - Suite 101
Williamsport, PA 17701-6448
Phone: (570) 321-6557

e-Mail: jenmeans@state.pa.us

Any person aggrieved by this action may appeal, pursuant to Section 4 of the Environmental Hearing Board Act, 35 P.S. Section 7514, and the Administrative Agency Law, 2 Pa. C.S. Chapter 5A, to the Environmental Hearing Board, Second Floor, Rachel Carson State Office Building, P.O. Box 8457, Harrisburg, PA 17105-8457, 717-787-3483. TDD users may contact the Board through the Pennsylvania Relay Service, 800-654-5984. Appeals must be filed with the Environmental Hearing Board within 30 days of receipt of written notice of this action unless the appropriate statute provides a different time period. Copies of the appeal form and the Board's rules of practice and procedure may be obtained from the Board. The appeal form and the Board's rules of practice and procedure are also available in braille or on audiotape from the Secretary to the Board at 717-787-3483. This paragraph does not, in and of itself, create any right of appeal beyond that permitted by applicable statutes and decisional law.

IF YOU WANT TO CHALLENGE THIS ACTION, YOUR APPEAL MUST REACH THE BOARD WITHIN 30 DAYS. YOU DO NOT NEED A LAWYER TO FILE AN APPEAL WITH THE BOARD.

IMPORTANT LEGAL RIGHTS ARE AT STAKE, HOWEVER, SO YOU SHOULD SHOW THIS DOCUMENT TO A LAWYER AT ONCE. IF YOU CANNOT AFFORD A LAWYER, YOU MAY QUALIFY FOR FREE PRO BONO REPRESENTATION. CALL THE SECRETAY TO THE BOARD (717-787-3483) FOR MORE INFORMATION.

FOR THE DEPARTMENT OF ENVIRONMENTAL PROTECTION:

Jennifer W. Means

Environmental Program Manager

APPENDIX B

Site Photographs

PHOTOGRAPHIC LOG

Client Name:

Cabot Oil & Gas Corporation

Cabot Oil & Gas Corporation

Site Location:

2H/4H Well Site Vicinity; Area of Black Water Occurrence Investigation Susquehanna County, Pennsylvania Project No. 39938634.00018

Photo No.

Date: 3/21/10

Direction Photo Taken:

West

Description:

2H/4H Well Site
- Pump removing water
from reserve pit on the

well pad following observance of black water.



Photo No.

Date: 3/22/10

Direction Photo Taken:

North

Description:

2H/4H Well Site
- View of reserve pit eastmost from the discharge pipe to pit from the

2H well cellar.



PHOTOGRAPHIC LOG

Client Name:

Cabot Oil & Gas Corporation

Cabot Oil & Gas Corporation

Site Location:

2H/4H Well Site Vicinity; Area of Black Water Occurrence Investigation Susquehanna County, Pennsylvania Project No. 39938634.00018

Photo No. Date: 3 3/22/10 Direction Photo Taken:

North

Description:

2H/4H Well Site
- View of reserve pit
west-most discharge pipe
to pit from the
4H well cellar.



Photo No. Date: 3/22/10

Direction Photo Taken:

North

Description:

2H/4H Well Site
- View of reserve pit
perforation in liner above
water mark west of
discharge pipes.



PHOTOGRAPHIC LOG

Client Name:

Cabot Oil & Gas Corporation



Site Location:

2H/4H Well Site Vicinity; Area of Black Water Occurrence Investigation Susquehanna County, Pennsylvania Project No. 39938634.00018

Photo No. Date: 5 3/24/10 Direction Photo Taken:

North

Description:

2H/4H Well Site
- View of eastern corner
of reserve pit – Sample
01 location.



Photo No. Date: 3/24/10

Direction Photo Taken:

North

Description:

2H/4H Well Site–Reserve pit drilling mud - 02 sample location.



PHOTOGRAPHIC LOG

Client Name:

Cabot Oil & Gas Corporation

Cabot Oll & Gas Corporation

Site Location:

2H/4H Well Site Vicinity; Area of Black Water Occurrence Investigation Susquehanna County, Pennsylvania Project No. 39938634.00018

Photo No.

Date: 3/22/10

Direction Photo Taken:

Southeast

Description:

Active seep to drainage swale along west side of SR 29. Seep is a continuation of seep that begins along access road to 2H/4H well pad and passes beneath Mr.



Photo No.

Date: 3/21/10

Direction Photo Taken:

North

Description:

Drainage swale on Mr. property along SR 29 following observance of black water.



PHOTOGRAPHIC LOG

Client Name:

Cabot Oil & Gas Corporation

Cabot Oil & Gas Corporation

Site Location:

2H/4H Well Site Vicinity; Area of Black Water Occurrence Investigation Susquehanna County, Pennsylvania Project No. 39938634.00018

Photo No.

Date: 3/22/10

Direction Photo Taken:

South

Description:

Shallow, hand-dug well on Mr. property. 07 sample location.



Photo No. Date: 3/21/10

Direction Photo Taken:

Northeast

Description:

Vac truck removing water from shallow, hand dug well on Mr. property along SR 29 following observance of black water.



PHOTOGRAPHIC LOG

Client Name:

Cabot Oil & Gas Corporation

Cabot Oil & Gas Corporation

Site Location:

2H/4H Well Site Vicinity; Area of Black Water Occurrence Investigation Susquehanna County, Pennsylvania Project No. 39938634.00018

Photo No. Date: 11 3/24/10 Direction Photo Taken:

Down

Description:

Area of overland seepage between Mr. shallow well and drainage swale. HIB2H-10 sample location.



Photo No. Date: 3/24/10
Direction Photo Taken:

Southwest

Description:

Southernmost (upgradient) sump area seep downgradient of Mr. shallow, hand dug well. HIB2H-11 sample location.



PHOTOGRAPHIC LOG

Client Name:

Cabot Oil & Gas Corporation

Cabot Oil & Gas Corporation

Site Location:

2H/4H Well Site Vicinity; Area of Black Water Occurrence Investigation Susquehanna County, Pennsylvania Project No. 39938634.00018

Photo No. Date: 13 3/24/10 Direction Photo Taken:

East

Description:

Southernmost
(upgradient) sump area –
seep downgradient of
Mr. shallow,
hand dug well. 2H11 sample location.



Photo No. Date: 14 3/24/10 Direction Photo Taken:

West

Description:

Active seep to drainage swale along west side of SR 29. Seep is continuation of seep that begins along access road to the 2H/4H well pad and passes beneath Mr. barn.



CABOT-EPA 006342

DIM0227454 DIM0227575

PHOTOGRAPHIC LOG

Client Name:

Cabot Oil & Gas Corporation

Cabot Oil & Gas Corporation

Site Location:

2H/4H Well Site Vicinity; Area of Black Water Occurrence Investigation Susquehanna County, Pennsylvania Project No.

39938634.00018

Photo No. Date: 3/24/10

Direction Photo Taken:

East

Description:

Area of overland seepage between Mr. shallow, hand dug well and drainage swale.



Photo No. Date: 3/22/10

Direction Photo Taken:

East

Description:

Drainage swale along SR 29.



PHOTOGRAPHIC LOG

Client Name:

Cabot Oil & Gas Corporation



Site Location:

2H/4H Well Site Vicinity; Area of Black Water Occurrence Investigation Susquehanna County, Pennsylvania Project No. 39938634.00018

Photo No.

Date: 3/24/10

Direction Photo Taken:

East

Description:

Middle sump (not actively pumped) within drainage swale along west side of SR 29.



Photo No. 18 Date: 3/22/10

Direction Photo Taken:

South

Description:

Northernmost (downgradient) sump within drainage swale along west side of SR 29.



PHOTOGRAPHIC LOG

Client Name:

Cabot Oil & Gas Corporation

Cabot Oil & Gas Corporation

Site Location:

2H/4H Well Site Vicinity; Area of Black Water Occurrence Investigation Susquehanna County, Pennsylvania Project No. 39938634.00018

Photo No. 19 Date: 3/24/10

Direction Photo Taken:

East

Description:

Northernmost (downgradient) sump within drainage swale along west side of SR 29. 32H-08 and 2H-09

sample locations.



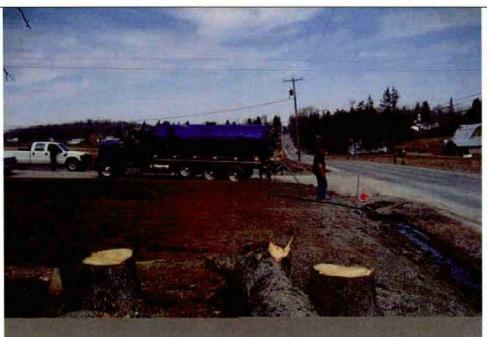
Photo No. 20 Date: 3/21/10

Direction Photo Taken:

North

Description:

Vac truck removing water from drainage swale on Mr. s property along SR 29 following observance of black water.



PHOTOGRAPHIC LOG

Client Name:

Cabot Oil & Gas Corporation



Site Location:

2H/4H Well Site Vicinity; Area of Black Water Occurrence Investigation Susquehanna County, Pennsylvania Project No. 39938634.00018

Photo No. Date: 3/24/10
Direction Photo Taken:

Northeast

Description:

Culvert on west side of SR 29 at intersection with site access road.



Photo No. Date: 3/24/10
Direction Photo Taken:

West

Description:

Active storm drain to drainage swale along west side of SR 29.



PHOTOGRAPHIC LOG

Client Name:

Cabot Oil & Gas Corporation

Cabot Oil & Gas Corporation

Site Location:

2H/4H Well Site Vicinity; Area of Black Water Occurrence Investigation Susquehanna County, Pennsylvania Project No. 39938634.00018

Photo No. Date: 3/25/10
Direction Photo Taken:

Northwest

Description:

Culvert on west side of SR 29 at intersection with site access road. No flow observed entering culvert.



Photo No. Date: 3/25/10
Direction Photo Taken:

Northwest

Description:

Drainage culvert on east side of SR 29 discharging to field upgradient of unnamed tri butary to Burdick Creek. 2H-19 and 2H-20 sample locations.



CABOT-EPA 006347

DIM0227454 DIM0227580

PHOTOGRAPHIC LOG

Client Name:

Cabot Oil & Gas Corporation

Cabot Oil & Gas Corporation

Site Location:

2H/4H Well Site Vicinity; Area of Black Water Occurrence Investigation Susquehanna County, Pennsylvania

Project No.

39938634.00018

Photo No. Date: 3/25/10 25 Direction Photo Taken:

West

Description:

Drainage area west of unnamed tributary to Burdick Creek looking towards Mr.

residence.



Photo No. Date: 3/25/10 26 Direction Photo Taken:

West

Description:

Close up of previous frame.



PHOTOGRAPHIC LOG

Client Name:

Cabot Oil & Gas Corporation

Cabot Oil & Gas Corporation

Site Location:

2H/4H Well Site Vicinity; Area of Black Water Occurrence Investigation Susquehanna County, Pennsylvania

Project No. 39938634.00018

Photo No. Date: 3/25/10 27 Direction Photo Taken:

West

Description:

Drainage area within field leading to un-named tributary to Burdick Creek where black material was observed. 2H-18 sample location.



Photo No. Date: 3/25/10

Direction Photo Taken:

Northeast

Description:

Un-named tributary to Burdick Creek upgradient sampling location. 2H-14 and 2H-15

sample locations.



PHOTOGRAPHIC LOG

Client Name:

Cabot Oil & Gas Corporation

Cabot Oil & Gas Corporation

Site Location:

2H/4H Well Site Vicinity; Area of Black Water Occurrence Investigation Susquehanna County, Pennsylvania

Project No.

39938634.00018

Photo No. 29

Date: 3/24/10

Direction Photo Taken:

Down

Description:

Deep well in barn on Mr.

12 sample location.

property.



Photo No. Date: 3/24/10

Direction Photo Taken:

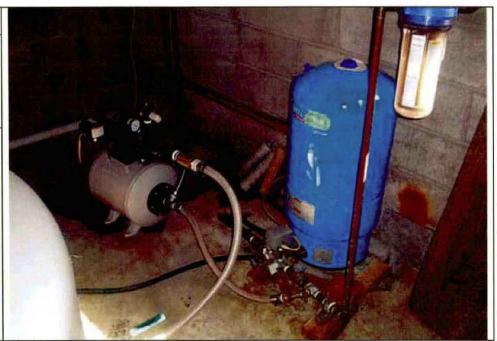
NA

Description:

Pump and pressure vessel connected to shallow well in basement of Mrs.

house.

13 sample location.



PHOTOGRAPHIC LOG

Client Name:

Cabot Oil & Gas Corporation

Cabot Oil & Gas Corporation

Site Location:

2H/4H Well Site Vicinity; Area of Black Water Occurrence Investigation Susquehanna County, Pennsylvania Project No. 39938634.00018

Photo No. Date: 31 3/23/10
Direction Photo Taken:

Southeast

Description:

Shallow well on

Mrs. property. location.

03 Sample



Photo No. Date: 3/25/10

Direction Photo Taken:

Southeast

Description:

Erosion eels installed to prevent migration of black sediment in seep downgradient of Mrs.

shallow well.



PHOTOGRAPHIC LOG

Client Name:

Cabot Oil & Gas Corporation



Site Location:

2H/4H Well Site Vicinity; Area of Black Water Occurrence Investigation Susquehanna County, Pennsylvania Project No. 39938634.00018

Photo No. Date: 3/25/10

Direction Photo Taken:

Down

Description:

Erosion eels installed to prevent migration of black sediment in seep downgradient of Mrs. Ellen Hibbard's shallow well. 2H-21 and 2H-22 sampling locations.



Photo No. Date: 3/25/10

Direction Photo Taken:

South

Description:

Earthen dam constructed to prevent seep downgradient of

Mrs. shallow well from discharging to Mr.





PHOTOGRAPHIC LOG

Client Name:

Cabot Oil & Gas Corporation

Cabot Oil & Gas Corporation

Site Location:

2H/4H Well Site Vicinity; Area of Black Water Occurrence Investigation Susquehanna County, Pennsylvania

Project No. 39938634.00018

Photo No. Date: 35 3/25/10 Direction Photo Taken:

N/A

Description:

2H-21 sample relatively clear with presence of fine black suspended solids.

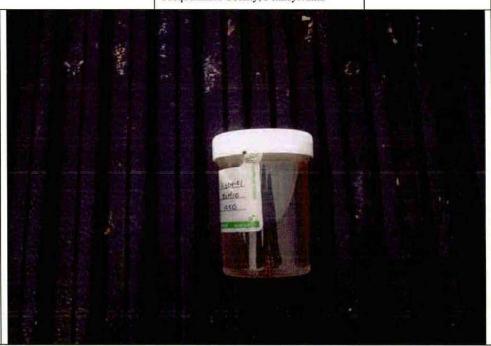


Photo No. Date: 3/23/10 36 Direction Photo Taken:

West

Description:

Shallow well on Мг. property. 04 sample location.





PHOTOGRAPHIC LOG

Client Name:

Cabot Oil & Gas Corporation

Cabot Oil & Gas Corporation

Site Location:

2H/4H Well Site Vicinity; Area of Black Water Occurrence Investigation Susquehanna County, Pennsylvania Project No.

39938634.00018

Photo No. 37 Date: 3/23/10
Direction Photo Taken:

East

Description:

Seep emanating from shallow well to pond on Mr. property.



Photo No. Date: 3/23/10

Direction Photo Taken:

Northeast

Description:

Pond on Mr. property.



PHOTOGRAPHIC LOG

Client Name:

Cabot Oil & Gas Corporation



Site Location:

2H/4H Well Site Vicinity; Area of Black Water Occurrence Investigation Susquehanna County, Pennsylvania Project No. 39938634.00018

Photo No.

Date: 4/30/10

Direction Photo Taken:

Northwest

Description:

2H/4H Well Site

- Workers draining
residual liquid /drilling
mud from the reserve pit
as removal activities
begin.



Photo No.

Date: 4/30/10

Direction Photo Taken:

Northwest

Description:

2H/4H Well
Site—After free liquids
were removed from the
reserve pit, hay and
limestone were mixed
with the drilling mud to
absorb as much of the
remaining water as
practicable so that the
material could be
removed and placed in
lined roll-off boxes.



PHOTOGRAPHIC LOG

Client Name:

Cabot Oil & Gas Corporation

Cabot Oil & Gas Corporation

Site Location:

2H/4H Well Site Vicinity; Area of Black Water Occurrence Investigation Susquehanna County, Pennsylvania Project No. 39938634.00018

Photo No. Date: 41 4/30/10 Direction Photo Taken:

Southeast

Description:

2H/4H Well Site

– Mixing of hay with the residual drilling mud to thicken so that the material can be removed from the reserve pit and stored in lined roll offs for subsequent off-site disposal.



Photo No. Date: 4/30/10

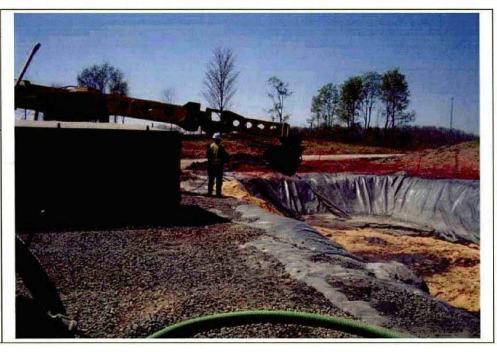
Direction Photo Taken:

Northwest

Description:

2H/4H Well Site

– After mixing with hay,
thickened material could
be removed from the
reserve pit using
excavators.



PHOTOGRAPHIC LOG

Client Name:

Cabot Oil & Gas Corporation

Cabot Oil & Gas Corporation

Site Location:

2H/4H Well Site Vicinity; Area of Black Water Occurrence Investigation Susquehanna County, Pennsylvania Project No.

39938634.00018

Photo No.

Date: 4/30/10

Direction Photo Taken:

East

Description:

2H/4H Well Site

Vac truck used to
remove residual liquids
and drilling mud from the
reserve pit.



Photo No. Date: 4/30/10

Direction Photo Taken:

Northeast

Description:

2H/4H Well Site

– Excavator loading
material from the reserve
pit into lined roll off
boxes for subsequent offsite disposal.



PHOTOGRAPHIC LOG

Client Name:

Cabot Oil & Gas Corporation

Cabot Oil & Gas Corporation

Site Location:

2H/4H Well Site Vicinity; Area of Black Water Occurrence Investigation Susquehanna County, Pennsylvania Project No.

39938634.00018

Photo No. Date: 4/30/10

Direction Photo Taken:

Southwest

Description:

2H/4H Well Site

Consistency of material removed from the reserve pit after thickening with limestone and hay is a storable semisolid with no free liquids.



Photo No. Date: 46 5/1/10

Direction Photo Taken:

Southeast

Description:

2H/4H Well Site

To reduce the amount of time required to remove all material from the reserve pit, multiple excavators were employed to both mix the residual material in the pit with hay and limestone and remove the material from the pit.



PHOTOGRAPHIC LOG

Client Name:

Cabot Oil & Gas Corporation



Site Location:

2H/4H Well Site Vicinity; Area of Black Water Occurrence Investigation Susquehanna County, Pennsylvania Project No. 39938634.00018

Photo No.

Date: 5/1/10

Direction Photo Taken:

East

Description:

2H/4H Well Site

– Material was removed from the reserve pit starting on the far western end of the reserve pit and moving to the east.



Photo No. Date: 5/1/10

Direction Photo Taken:

Northeast

Description:

2H/4H Well Site

As material was being removed from the western portion of the reserve pit by excavators (after mixing with hay and limestone), material was being removed from the eastern portion of the reserve pit by super suckers capable of removing the thickened material remaining after vac trucks had removed all free liquids.



CABOT-EPA 006359

DIM0227454 DIM0227592

PHOTOGRAPHIC LOG

Client Name:

Cabot Oil & Gas Corporation

Cabot Oil & Gas Corporation

Site Location:

2H/4H Well Site Vicinity; Area of Black Water Occurrence Investigation Susquehanna County, Pennsylvania Project No. 39938634.00018

Photo No. Date: 5/1/10

Direction Photo Taken:

Northwest

Description:

2H/4H Well Site

To reduce the amount of time required to remove all material from the reserve pit, multiple super suckers were employed to remove residual material from the pit.



Photo No. Date: 5/1/10

Direction Photo Taken:

East

Description:

2H/4H Well Site

– Limestone used to help
minimize free liquids in
material removed from
the reserve pit.



PHOTOGRAPHIC LOG

Client Name:

Cabot Oil & Gas Corporation

Cabot Oil & Gas Corporation

Site Location:

2H/4H Well Site Vicinity; Area of Black Water Occurrence Investigation Susquehanna County, Pennsylvania Project No.

39938634.00018

Photo No. Date: 5/1/10

Direction Photo Taken:

Southeast

Description:

2H/4H Well Site

– Two excavators and two
super suckers working
simultaneously to meet
the deadline for material
removal from the reserve
pit that was imposed by
the Pennsylvania
Department of
Environmental Protection.

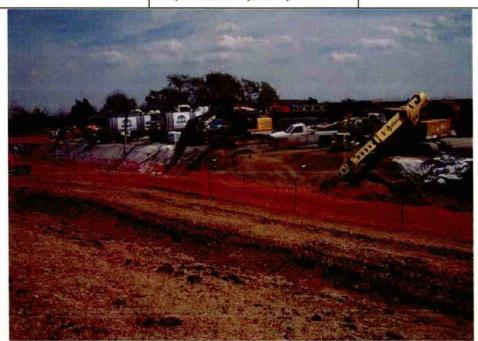


Photo No. Date: 5/2/10

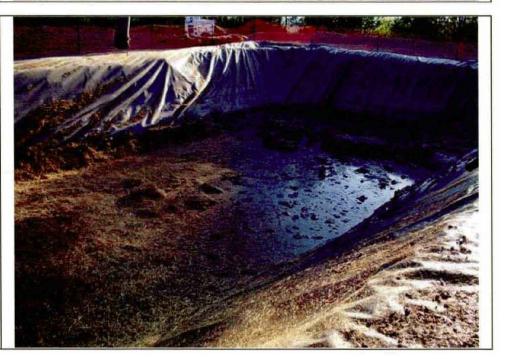
Direction Photo Taken:

Northeast

Description:

2H/4H Well Site

The eastern-most end of
the reserve pit shows
water marks for previous
levels of material that had
been present in the
reserve pit.



PHOTOGRAPHIC LOG

Client Name:

Cabot Oil & Gas Corporation



Site Location:

2H/4H Well Site Vicinity; Area of Black Water Occurrence Investigation Susquehanna County, Pennsylvania Project No. 39938634.00018

Photo No. Date: 53 5/2/10 Direction Photo Taken:

East

Description:

2H/4H Well Site-The western end of the reserve pit was the first area to be exposed after removal of residual material from the pit. Note holes, identified with white circles, in the black plastic reserve pit liner. Holes observed included a combination of holes that were made in the liner from rocks outside the liner when material on top pushed the liner down onto the rocks, and rocks that created holes (caused by both mechanical and hand removal of material) as the residual material was removed from the reserve pit.



Photo No. 54 Date: 5/2/10

Direction Photo Taken:

Northeast

Description:

2H/4H Well Site

Close-up view of holes
in the liner described
above. Note that the hole
in the center of the photo
is elongated and was
believed to be caused by
equipment during removal
of residual material from
the reserve pit.



PHOTOGRAPHIC LOG

Client Name:

Cabot Oil & Gas Corporation



Site Location:

2H/4H Well Site Vicinity; Area of Black Water Occurrence Investigation Susquehanna County, Pennsylvania Project No. 39938634.00018

Photo No. Datë: 55 5/2/10 Direction Photo Taken:

Northeast

Description:

2H/4H Well Site

- Workers removing
residual liquids and solids
from the reserve pit in the
final stages of material
removal.

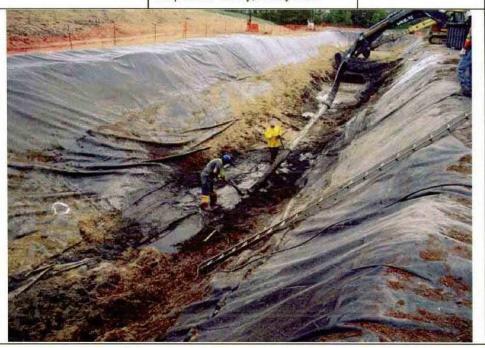


Photo No. Date: 5/2/10

Direction Photo Taken:

Northeast

Description:

2H/4H Well Site

– Marking and sealing
holes in the reserve pit
liner to minimize impact
to the subsurface caused
by cleaning of the liner.



PHOTOGRAPHIC LOG

Client Name:

Cabot Oil & Gas Corporation

Cabot Oil & Gas Corporation

Site Location:

2H/4H Well Site Vicinity; Area of Black Water Occurrence Investigation Susquehanna County, Pennsylvania Project No. 39938634.00018

Photo No. Date: 57 5/2/10
Direction Photo Taken:

Northeast

Description:

2H/4H Well Site

– Identified perforations
in the liner observed at
the west end of the
reserve pit.



Photo No. Date: 5/2/10

Direction Photo Taken:

West

Description:

2H/4H Well Site

- Workers removing
residual liquids and solids
from the reserve pit using
a super sucker.



PHOTOGRAPHIC LOG

Client Name:

Cabot Oil & Gas Corporation

Cabot Oil & Gas Corporation

Site Location:

2H/4H Well Site Vicinity; Area of Black Water Occurrence Investigation Susquehanna County, Pennsylvania Project No. 39938634.00018

Photo No. Date: 59 5/3/10
Direction Photo Taken:

Northwest

Description:

2H/4H Well Site

- Workers power washing
and collecting residual
liquids and solids from
the reserve pit as removal
activities near completion.



Photo No. Date: 5/3/10

Direction Photo Taken:

North

Description:

2H/4H Well Site

As removal activities
near completion, hay
bales are used to keep
residual liquids and solids
on the eastern portion of
the reserve pit as cleaning
operations progress from
west to east.



PHOTOGRAPHIC LOG

Client Name:

Cabot Oil & Gas Corporation

Cabot Oil & Gas Corporation

Site Location:

2H/4H Well Site Vicinity; Area of Black Water Occurrence Investigation Susquehanna County, Pennsylvania Project No. 39938634.00018

Photo No. Date: 61 5/3/10 Direction Photo Taken:

North

Description:

2H/4H Well Site

Residual material at the
bottom/central portion of
the reserve pit consisted
of a cement-like material
that required breaking to
remove. The material
was dry and acted as a
barrier to prevent leaking
of the pit in the area
where present.



Photo No. Date: 5/3/10

Direction Photo Taken:

West

Description:

2H/4H Well Site

- Night time operations.

Removal of material from the reserve pit required 24 hour operations to meet the timeline required by PADEP.





PHOTOGRAPHIC LOG

Client Name:

Cabot Oil & Gas Corporation

Cabot Oil & Gas Corporation

Site Location:

2H/4H Well Site Vicinity; Area of Black Water Occurrence Investigation Susquehanna County, Pennsylvania Project No. 39938634.00018

Photo No. Date: 5/3/10
Direction Photo Taken:

A STATE OF THE PARTY OF THE PAR

East

Description:

2H/4H Well Site

- Night-time removal operations.



Photo No. Date: 64 5/3/10
Direction Photo Taken:

East

Description:

2H/4H Well Site

- Night-time removal
operations showing
workers washing material
from the base of the
reserve pit liner moving
the material from west to
east.



PHOTOGRAPHIC LOG

Client Name:

Cabot Oil & Gas Corporation

Cabot Oil & Gas Corporation

Site Location:

2H/4H Well Site Vicinity; Area of Black Water Occurrence Investigation Susquehanna County, Pennsylvania Project No.

39938634.00018

Photo No. Date: 65 5/3/10 Direction Photo Taken:

East

Description:

2H/4H Well Site

Night-time removal operations showing workers washing material from the base of the reserve pit liner moving the material from west to east.



Photo No. Date: 5/3/10

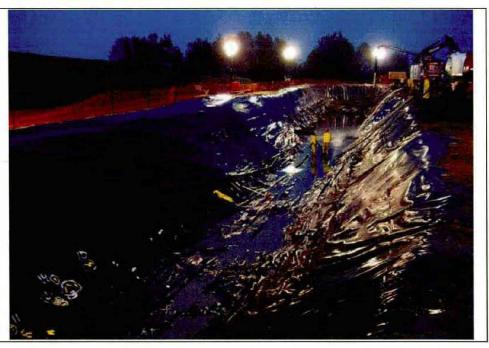
Direction Photo Taken:

East

Description:

2H/4H Well Site

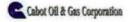
Night-time removal operations showing workers washing material from the base of the reserve pit liner moving the material from west to east.



PHOTOGRAPHIC LOG

Client Name:

Cabot Oil & Gas Corporation



Site Location:

2H/4H Well Site Vicinity; Area of Black Water Occurrence Investigation Susquehanna County, Pennsylvania Project No. 39938634.00018

Photo No. Date: 67 5/3/10
Direction Photo Taken:

East

Description:

2H/4H Well Site

-Final stages of removal
of residual solids and
liquids from the reserve
pit. Workers are
removing as much solids
from the pit to the bucket
of an excavator to
facilitate removal.

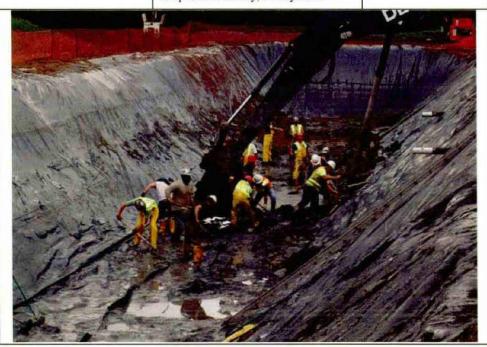


Photo No. Date: 5/4/10

Direction Photo Taken:

West

Description:

2H/4H Well Site

– Final stage of cleaning
of the reserve pit liner in
the western portion of the
reserve pit.



PHOTOGRAPHIC LOG

Client Name:

Cabot Oil & Gas Corporation

Cabot Oil & Gas Corporation

Site Location:

2H/4H Well Site Vicinity; Area of Black Water Occurrence Investigation Susquehanna County, Pennsylvania Project No. 39938634.00018

Photo No. Date: 69 5/4/10 Direction Photo Taken:

East

Description:

2H/4H Well Site

– Final stage of cleaning
of the reserve pit liner in
the western portion of the
reserve pit.



Photo No. Date: 5/4/10

Direction Photo Taken:

Northwest

Description:

2H/4H Well Site

Final stage of cleaning
of the reserve pit liner in
the western portion of the
reserve pit.



PHOTOGRAPHIC LOG

Client Name:

Cabot Oil & Gas Corporation

Cabot Oil & Gas Corporation

Site Location:

2H/4H Well Site Vicinity; Area of Black Water Occurrence Investigation Susquehanna County, Pennsylvania Project No. 39938634.00018

Photo No. Date: 71 5/4/10
Direction Photo Taken:

South

Description:

2H/4H Well Site

- Accordion tear in the
liner caused by the bucket
of the excavator during
removal of material from
the reserve pit.



Photo No. Date: 5/4/10

Direction Photo Taken:

Northwest

Description:

2H/4H Well Site-Perforations in the liner were observed to range from pinholes, as indicated in this photograph, to larger (several inches across), that are believed to have been caused by rock fragments below the liner. As material was placed in the pit, the weight of the overlying material pressed down on these rocks and caused the perforations in the liner. The geotextile below the plastic liner and the hay layer below the geotextile appeared to be minimally impacted by released material.



CABOT-EPA 006371

PHOTOGRAPHIC LOG

Client Name:

Cabot Oil & Gas Corporation

Cabot Oil & Gas Corporation

Site Location:

2H/4H Well Site Vicinity; Area of Black Water Occurrence Investigation Susquehanna County, Pennsylvania Project No. 39938634.00018

Photo No. Date: 73 5/4/10
Direction Photo Taken:

South

Description:

2H/4H Well Site

- Accordion tear in the
liner caused by the bucket
of the excavator during
removal of material from
the reserve pit.



Photo No. Date: 5/4/10

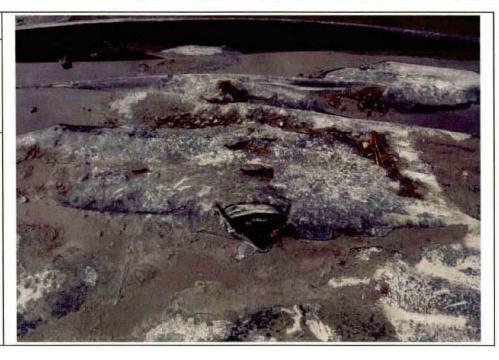
Direction Photo Taken:

South

Description:

2H/4H Well Site

- Accordion tear in the
liner caused by the bucket
of the excavator during
removal of material from
the reserve pit.



PHOTOGRAPHIC LOG

Client Name:

Cabot Oil & Gas Corporation

Cabot Oil & Gas Corporation

Site Location:

2H/4H Well Site Vicinity; Area of Black Water Occurrence Investigation Susquehanna County, Pennsylvania Project No. 39938634.00018

Photo No. Date: 75 5/4/10
Direction Photo Taken:

Down

Description:

2H/4H Well Site

Tear in the liner and
geotextile and hay
beneath the geotextile.

The hay appears brown in
color indicating minimal
impact from the black
mud from the reserve pit.



Photo No. Date: 5/4/10

Direction Photo Taken:

East

Description:

2H/4H Well Site

- Final inspection of the reserve pit liner before removal of the liner and geotextile. PADEP representatives are on-site to observe operations and site conditions.



PHOTOGRAPHIC LOG

Client Name:

Cabot Oil & Gas Corporation

Date:



Site Location:

2H/4H Well Site Vicinity; Area of Black Water Occurrence Investigation Susquehanna County, Pennsylvania

Project No. 39938634.00018

Photo No. 77

5/4/10 Direction Photo Taken:

Northeast

Description:

2H/4H Well Site - Initial stages of liner removal from the reserve pit, beginning at the eastern edge of the pit.



Photo No. Date: 5/4/10

Direction Photo Taken:

Northeast

Description:

2H/4H Well Site - Initial stages of liner removal from the reserve pit, beginning at the eastern edge of the pit.



PHOTOGRAPHIC LOG

Client Name:

Cabot Oil & Gas Corporation



Site Location:

2H/4H Well Site Vicinity; Area of Black Water Occurrence Investigation Susquehanna County, Pennsylvania Project No. 39938634.00018

Photo No. Date: 5/4/10

Direction Photo Taken:

Northwest

Description:

2H/4H Well Site

– Liner removal from the
reserve pit progressing
from the east to the west.



Photo No. Date: 5/4/10

Direction Photo Taken:

Southwest

Description:

2H/4H Well Site

The liner was removed from the pit in three sections, progressing from east to west. As each section was removed, it was loaded into a roll-off for subsequent disposal.



PHOTOGRAPHIC LOG

Client Name:

Cabot Oil & Gas Corporation



Site Location:

2H/4H Well Site Vicinity; Area of Black Water Occurrence Investigation Susquehanna County, Pennsylvania Project No. 39938634.00018

Photo No. Date: 5/4/10

Direction Photo Taken:

West

Description:

2H/4H Well Site

The liner was removed from the pit in three sections, progressing from east to west. As each section was removed, it was loaded into a roll-off for subsequent disposal.



Photo No. Date: 5/4/10

Direction Photo Taken:

West

Description:

2H/4H Well Site

– As each section was removed, it was loaded into a roll-off for subsequent disposal.



PHOTOGRAPHIC LOG

Client Name:

Cabot Oil & Gas Corporation

Cabot Oil & Gas Corporation

Site Location:

2H/4H Well Site Vicinity; Area of Black Water Occurrence Investigation Susquehanna County, Pennsylvania Project No. 39938634.00018

Photo No. Date: 83 5/4/10
Direction Photo Taken:

South

Description:

2H/4H Well Site

View of the geotextile
below the plastic liner in
the eastern portion of the
pit.



Photo No. Date: 5/4/10

Direction Photo Taken:

East

Description:

2H/4H Well Site

– View of the hay beneath
the geotextile in the
eastern portion of the pit.



PHOTOGRAPHIC LOG

Client Name:

Cabot Oil & Gas Corporation



Site Location:

2H/4H Well Site Vicinity; Area of Black Water Occurrence Investigation Susquehanna County, Pennsylvania Project No. 39938634.00018

Photo No. Date: 5/4/10

Direction Photo Taken:

Southeast

Description:

2H/4H Well Site

The geotextile was removed from the pit in three sections, progressing from east to west. As each section was removed, it was loaded into a roll-off for subsequent disposal and the hay layer beneath the geotextile was inspected.



Photo No. Date: 5/3/10

Direction Photo Taken:

Southeast

Description:

2H/4H Well Site

The geotextile was removed from the pit in three sections, progressing from east to west. As each section was removed, it was loaded into a roll-off for subsequent disposal and the hay layer beneath the geotextile was inspected.



CABOT-EPA 006378

PHOTOGRAPHIC LOG

Client Name:

Cabot Oil & Gas Corporation

Cabot Oil & Gas Corporation

Site Location:

2H/4H Well Site Vicinity; Area of Black Water Occurrence Investigation Susquehanna County, Pennsylvania Project No. 39938634.00018

Photo No. 87 Date: 5/3/10

Direction Photo Taken:

South

Description:

2H/4H Well Site

The hay below the
geotextile was observed
to be impacted from
released material from the
pit (black areas in the
hay).



Photo No. Date: 5/4/10

Direction Photo Taken:

South

Description:

2H/4H Well Site

The hay below the
geotextile was observed
to be impacted from
released material from the
pit (black areas in the
hay).



PHOTOGRAPHIC LOG

Client Name:

Cabot Oil & Gas Corporation



Site Location:

2H/4H Well Site Vicinity; Area of Black Water Occurrence Investigation Susquehanna County, Pennsylvania Project No. 39938634.00018

Photo No. Date: 5/4/10

Direction Photo Taken:

Southeast

Description:

2H/4H Well Site

The hay below the
geotextile was observed
to be impacted from
released material from the
pit (black areas in the
hay).



Photo No. Date: 90 5/4/10

Direction Photo Taken:

Northwest

Description:

2H/4H Well Site

The 13 most impacted areas of hay were selected by URS and PADEP for sampling and analysis to evaluate for subsurface impacts. URS pulled back the hay and sampled the soil immediately beneath the hay to evaluate for potential impacts.



CABOT-EPA 006380

PHOTOGRAPHIC LOG

Client Name:

Cabot Oil & Gas Corporation

Cabot Oil & Gas Corporation

Site Location:

2H/4H Well Site Vicinity; Area of Black Water Occurrence Investigation Susquehanna County, Pennsylvania Project No. 39938634.00018

Photo No. Date: 91 5/4/10 Direction Photo Taken:

Direction rinoto ranco

Northwest

Description:

2H/4H Well Site

PADEP representatives inspected some of the sites selected. This site was of concern due to the fact that a fracture in exposed bedrock was present (trending N 80 E).



Photo No. Date: 5/4/10

Direction Photo Taken:

Southeast

Description:

2H/4H Well Site

— A close-up view of exposed fracture in the photograph above. De minimis staining is observed along the fracture indicating that insufficient material had been released to coat the entire surface of the fracture, indicating only a minor amount of material had been released from the pit.

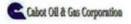


CABOT-EPA 006381

PHOTOGRAPHIC LOG

Client Name:

Cabot Oil & Gas Corporation



Site Location:

2H/4H Well Site Vicinity; Area of Black Water Occurrence Investigation Susquehanna County, Pennsylvania Project No. 39938634.00018

Photo No. Date: 93 5/4/10 Direction Photo Taken:

North

Description:

2H/4H Well Site

A close-up view of soil immediately below sampled location

2H/4H - 4. Note red color of the soil beneath the hay indicating de minimis staining is present, indicating that a minimal amount of material had been released from the pit.



Photo No. Date: 5/4/10

Direction Photo Taken:

East

Description:

2H/4H Well Site

Remediation of the
reserve pit consisted of
removal of impacted hay
and soil beneath the hay
with using an excavator,
with subsequent off-site
disposal of impacted hay
and soil.



PHOTOGRAPHIC LOG

Client Name:

Cabot Oil & Gas Corporation



Site Location:

2H/4H Well Site Vicinity; Area of Black Water Occurrence Investigation Susquehanna County, Pennsylvania Project No. 39938634.00018

Photo No. Date: 95 5/5/10 Direction Photo Taken:

West

Description:

2H/4H Well Site

View of remediated reserve pit with roll-offs filled with impacted material present to the south of the pit (left of the pit in the photograph). Once the pit was remediated, it was covered with plastic to minimize infiltration of precipitation.



Photo No. Date: 5/4/10

Direction Photo Taken:

North

Description:

2H/4H Well Site

View of soil
immediately below
sampled location

2H/4H - 7R2. About 1.5
cubic feet of additional
soil was removed from
this location and soil
remaining was sampled to
confirm remediation
efforts met the Statewide
Health Standards for all
constituents of potential
concern.



PHOTOGRAPHIC LOG

Client Name:

Cabot Oil & Gas Corporation

Date: 5/4/10

Cabot Oil & Gas Corporation

Site Location:

2H/4H Well Site Vicinity; Area of Black Water Occurrence Investigation Susquehanna County, Pennsylvania Project No. 39938634.00018

Photo No. 97

Direction Photo Taken:

North

Description:

2H/4H Well Site

View of soil
immediately below
sampled location

2H/4H - 12R2. About 1
cubic feet of additional
soil was removed from
this location and soil
remaining was sampled to
confirm remediation
efforts met the Statewide
Health Standards for all
constituents of potential
concern.



CABOT-EPA 006385

APPENDIX C

Laboratory Analytical Reports

CABOT-EPA 006386



June 16, 2010

Mr. Jim Pinta URS Corporation Foster Plaza 4 501 Holiday Drive, Suite 300 Pittsburgh, PA 15220

RE: Project:

:: 2H/4H

Pace Project No.: 3027140

Dear Mr. Pinta:

Enclosed are the analytical results for sample(s) received by the laboratory on May 05, 2010. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Timothy Reed

timothy.reed@pacelabs.com Project Manager

Enclosures

REPORT OF LABORATORY ANALYSIS

Page 1 of 96

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CABOT-EPA 006387



CERTIFICATIONS

Project

2H/4H

Pace Project No.:

3027140

Pennsylvania Certification IDs 1638 Roseytown Road Suites 2,3&4 Greensburg, PA 15601

Wyoming Certification # 8TMS-Q Wisconsin/PADEP Certification West Vignia Certification #: 143
Washington Certification #: C1941
Virginia Certification #: 00112
Virgin Island/PADEP Certification Utah/NELAC Certification #: ANTE
Texas/NELAC Certification #: T104704188-09 TX
Tennessee Certification #: TN2867
South Dakota Certification

Puerto Rico Certification # PA01457 Puerto Rico Certification # PA0145/ Pennsylvania/NELAC Certification #: 65-00282 Oregon/NELAC Certification #. PA200002 North Carolina Certification #: 42706 New York/NELAC Certification # 10888 New Mexico Certification # 10888 New Hampshire/NELAC Certification #: PA 051 New Hampshire/NELAC Certification # 2976

Nevada Certification

Montana Certification #: Cert 0082 Missouri Certification #: 235

Michigan/PADEP Certification
Massachusetts Certification # M-PA1457
Maryland Certification #, 308
Maine Certification #, 2009
Louisiana/NELAC Certification #, LA080002
Louisiana/NELAC Certification #, 4086
Kentucky Certification #, 90133
Kansas/NELAC Certification #, E-10358
Love Certification #, 391 Iowa Certification #: 391 Indiana/PADEP Certification Illinois/PADEP Certification Idaho Certification Hawai/PADEP Certification
Guam/PADEP Certification
Florida/NELAC Certification #: E87683 Delaware Certification Connecticut Certification # PH 0694 Colorado Certification California/NELAC Certification #. 04222CA Arkansas Certification Arizona Certification #: AZ0734

Alabama Certification #: 41590

REPORT OF LABORATORY ANALYSIS

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Page 2 of 96

CABOT-EPA 006388

DIM0227454

DIM0227621



Pace Analytical Services, Inc. 1638 Roseytown Road - Suites 2,3,4

Greensburg, PA 15601

(724)850-5600

SAMPLE ANALYTE COUNT

Project.

2H/4H

Pace Project No.: 3027140

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
3027140001	2H/4H-1	EPA 6010B	стѕ	24	PASI-PA
	_	EPA 7471	стѕ	1	PASI-PA
		EPA 8270	SPL	75	PASI-PA
		EPA 8260	JEW	55	PASI-PA
		ASTM D2974-87	AC	1	PASI-PA
		EPA 350.1	DJT	1	PASI-PA
3027140002	2H/4H-1 (ASTM)	SM 5540C	DLD	1	PASI-PA
		SM 4500-CI-E	DJT	1	PASI-PA
3027140003	2H/4H-2	EPA 6010B	стѕ	24	PASI-PA
	_	EPA 7471	стѕ	1	PASI-PA
		EPA 8270	SPL	75	PASI-PA
		EPA 8260	JEW	5 5	PASI-PA
		ASTM D2974-87	AC	1	PASI-PA
		EPA 350.1	DJT	1	PASI-PA
3027140004	2H/4H-2 (ASTM)	SM 5540C	DLD	1	PASI-PA
	_	SM 4500-CI-E	DJT	1	PASI-PA
3027140005	2H/4H-7	EPA 6010B	CTS	24	PASI-PA
		EPA 7471	CTS	1	PASI-PA
		EPA 8270	SPL	75	PASI-PA
		EPA 8260	JEW	55	PASI-PA
		ASTM D2974-87	AC	1	PASI-PA
		EPA 350.1	ÐJT	1	PASI-PA
3027140006	2H/4H-7 (ASTM)	SM 5540C	DLD	1	PASI-PA
	_	SM 4500-CI-E	DJT	1	PASI-PA
3027140007	2H/4H-12	EPA 6010B	CTS	24	PASI-PA
•	_	EPA 7471	CTS	1	PASI-PA
		EPA 8270	SPL	75	PASI-PA
		EPA 8260	JEW	55	PASI-PA
		ASTM D2974-87	AC	1	PASI-PA
		EPA 350 1	DJT	1	PASI-PA
3027140008	2H/4H-12 (ASTM)	SM 5540C	DLD	1	PASI-PA
	_	SM 4500-CI-E	DJT	1	PASI-PA
3027140009	2H/4H-11	EPA 6010B	CTS	24	PASI-PA
		EPA 7471	CTS	1	PASI-PA
		EPA 8270	SPL	75	PASI-PA
		EPA 8260	JEW	55	PASI-PA
		ASTM D2974-87	AC	1	PASI-PA

REPORT OF LABORATORY ANALYSIS

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CABOT-EPA 006389

Page 3 of 96



SAMPLE ANALYTE COUNT

Project:

2H/4H

Pace Project No.: 3027140

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 350.1	DJT	1	PASI-PA
3027140010	2H/4H-11 (ASTM)	SM 5540C	DLD	1	PASI-PA
	_	SM 4500-CI-E	DJT	1	PASI-PA
3027140011	2H/4H-10	EPA 6010B	CTS	24	PASI-PA
		EPA 7471	CTS	1	PASI-PA
		EPA 8270	SPL	75	PASI-PA
		EPA 8260	JEW	55	PASI-PA
		ASTM D2974-87	AC	1	PASI-PA
		EPA 350.1	DJT	1	PASI-PA
3027140012	2H/4H-10 (ASTM)	SM 5540C	DLD	1	PASI-PA
		SM 4500-CI-E	DJT	1	PASI-PA
3027140013	2H/4H-4	EPA 6010B	CTS	24	PASI-PA
		EPA 7471	CTS	1	PASI-PA
		EPA 8270	SPL	75	PASI-PA
		EPA 8260	JEW	55	PASI-PA
		ASTM D2974-87	DSC	1	PASI-PA
		EPA 350.1	DJT	1	PASI-PA
3027140014	2H/4H-4(ASTM)	SM 5540C	DLD	1	PASI-PA
		SM 4500-CI-E	DJT	1	PASI-PA
3027140015	2H/4H-5	EPA 6010B	CTS	24	PASI-PA
		EPA 7471	CTS	1	PASI-PA
		EPA 8270	SPL	75	PASI-PA
		EPA 8260	JEW	55	PASI-PA
		ASTM D2974-87	DSC	1	PASI-PA
		EPA 350.1	DJT	1	PASI-PA
3027140016	2H/4H-5 (ASTM)	SM 5540C	DLD	1	PASI-PA
		SM 4500-CI-E	DJT	1	PASI-PA
3027140017	2H/4H-3	EPA 6010B	CTS	24	PASI-PA
		EPA 7471	CTS	1	PASI-PA
		EPA 8270	SPL	75	PASI-PA
		EPA 8260	JEW	55	PASI-PA
		ASTM D2974-87	DSC	1	PASI-PA
		EPA 350.1	DJT	1	PASI-PA
3027140018	2H/4H-3(ASTM)	SM 5540C	DLD	1	PASI-PA
		SM 4500-CI-E	DJT	1	PASI-PA
3027140019	2H/4H-6	EPA 6010B	CTS	24	PASI-PA
		EPA 7471	CTS	1	PASI-PA

REPORT OF LABORATORY ANALYSIS

Page 4 of 96

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CABOT-EPA 006390



SAMPLE ANALYTE COUNT

Project:

2H/4H

Pace Project No.: 3027140

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 8270	SPL	75	PASI-PA
		EPA 8260	JEW	55	PASI-PA
		ASTM D2974-87	DSC	1	PASI-PA
		EPA 350 1	DJT	1	PASI-PA
3027140020	2H/4H-6 (ASTM)	SM 5540C	DLD	1	PASI-PA
	_	SM 4500-CI-E	DJT	1	PASI-PA
3027140021	2H/4H-8	EPA 6010B	CTS	24	PASI-PA
	_	EPA 7471	CTS	1	PASI-PA
		EPA 8270	SPL	75	PASI-PA
		EPA 8260	JEW	55	PASI-PA
		ASTM D2974-87	DSC	1	PASI-PA
		EPA 350.1	DJT	1	PASI-PA
3027140022	2H/4H-8 (ASTM)	SM 5540C	DLD	1	PASI-PA
	_	SM 4500-CI-E	DJT	1	PASI-PA
3027140023	2H/4H-9	EPA 6010B	CTS	24	PASI-PA
	_	EPA 7471	CTS	1	PASI-PA
		EPA 8270	SPL	75	PASI-PA
		EPA 8260	JEW	55	PASI-PA
		ASTM D2974-87	DSC	1	PASI-PA
		EPA 350.1	DJT	1	PASI-PA
3027140024	2H/4H-9 (ASTM)	SM 5540C	DLD	1	PASI-PA
	_	SM 4500-CI-E	DJT	1	PASI-PA

REPORT OF LABORATORY ANALYSIS

Page 5 of 96

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nelac

CABOT-EPA 006391



ANALYTICAL RESULTS

Project 2H/4H
Pace Project No.. 3027140

Sample: 2H/4H-1	Lab ID: 3027140001	Collec	ted. 05/04/1	0 13:35	Received: 05	/05/10 13:40 M	fatrix: Solid	
Results reported on a "dry-weigi Parameters	<i>ht" basis</i> Results Unit	e R	eport Limit	DF	Prepared	Analyzed	CAS No.	Qua
r aranicios	Tresuits Office		-	<u> </u>	Fichalea	Analyzeu	<u> </u>	
6010 MET ICP	Analytical Method: EPA	.6010B Pr	eparation Me	thod: EF	PA 3050			
Aluminum	12000 mg/kg		90	1	05/06/10 19.05	05/07/10 13:43	7429-90-5	
Antimony	0.55 mg/kg		0.45	1	05/06/10 19.05	05/07/10 13:43	7440-36-0	
Arsenic	4.2 mg/kg		0.45	1	05/06/10 19:05	05/07/10 13:43	7440-38-2	
Barium	506 mg/kg		1.8	1	05/06/10 19:05	05/07/10 13:43	7440-39-3	
Beryllium	0.46 mg/kg		0.18	1	05/06/10 19:05	05/07/10 13:43	7440-41-7	
Boron	ND mg/kg		4.5	1	05/06/10 19:05	05/07/10 13:43	7440-42-8	
Cadmium	ND mg/kg		0.18	1	05/06/10 19:05	05/07/10 13:43	7440-43-9	
Calcium	2490 mg/kg		179	1	05/06/10 19.05	05/07/10 13:43	7440-70-2	
Chromium	13.9 mg/kg		0.45	1	05/06/10 19.05	05/07/10 13:43	7440-47-3	
Cobalt	12.0 mg/kg		0.90	1	05/06/10 19:05	05/07/10 13:43	7440-48-4	
Copper	26.5 mg/kg		0.90	1	05/06/10 19:05	05/07/10 13:43	7440-50-8	
ron	24700 mg/kg		9.0	1	05/06/10 19:05			
Lead	1.6 mg/kg		0.45	1	05/06/10 19:05	05/07/10 13:43	7439-92-1	
Magnesium	4840 mg/kg		44.8	1	05/06/10 19.05			
Manganese	373 mg/kg		0.90	1	05/06/10 19.05	05/07/10 13:43	7439-96-5	
Molybdenum	ND mg/kg		1.8	1	05/06/10 19 05			
Vickel	21.1 mg/kg		1.8	1	05/06/10 19.05			
Potassium	1940 mg/kg		44.8	1	05/06/10 19 05			
Selenium	ND mg/kg		0 45	1	05/06/10 19 05			
Silver	ND mg/kg		0.18	1	05/06/10 19:05			
Sodium	ND mg/kg		448	1	05/06/10 19 05			
Thallium	ND mg/kg		1.8	1	05/06/10 19 05			
vanadium	13.7 mg/kg		0.90	1	05/06/10 19 05			
Zinc			0.90	1				
	59.4 mg/kg					05/07/10 13:43	7440-00-0	
7471 Mercury	Analytical Method ⁻ EPA	17471 Pre	paration Meth	nod: EP/	A 7471			
Mercury	ND mg/kg		0.10	1	05/07/10 12:10	05/10/10 09.25	7439-97-6	
8270 MSSV FULL LIST MICROWAVE	Analytical Method: EPA	8270 Pre	paration Meth	nod: EP/	A 3546			
Acenaphthene	ND ug/kg		354	1	05/06/10 16:43	05/11/10 10:11	83-32-9	
Acenaphthylene	ND ug/kg		354	1	05/06/10 16:43	05/11/10 10:11	208-96-8	
Anthracene	ND ug/kg		354	1	05/06/10 16:43	05/11/10 10:11	120-12-7	
Azobenzene	ND ug/kg		354	1	05/06/10 16:43	05/11/10 10:11	103-33-3	
	ND ug/kg		354	1		05/11/10 10:11		
benzo(a)antmacene								
* *	ND ug/ka		354	1	05/06/10 16:43	05/11/10 10:11	3U-3Z-0	
Benzo(a)pyrene	ND ug/kg ND ug/kg		354 354	1 1	05/06/10 16:43 05/06/10 16:43	05/11/10 10:11		
Benzo(a)pyrene Benzo(b)fluoranthene	ND ug/kg		354		05/06/10 16:43	05/11/10 10:11	205-99-2	
Benzo(a)pyrene Benzo(b)fluoranthene Benzo(g,h,i)perylene	ND ug/kg ND ug/kg			1	05/06/10 16:43 05/06/10 16:43	05/11/10 10:11 05/11/10 10:11	205-99-2 191-24-2	
Benzo(a)pyrene Benzo(b)fluoranthene Benzo(g,h,i)perylene Benzo(k)fluoranthene	ND ug/kg ND ug/kg ND ug/kg		354 354 354	1 1 1	05/06/10 16:43 05/06/10 16:43 05/06/10 16:43	05/11/10 10:11 05/11/10 10:11 05/11/10 10:11	205-99-2 191-24-2 207-08-9	
Benzo(a)pyrene Benzo(b)fluoranthene Benzo(g,h,i)perylene Benzo(k)fluoranthene Benzoic acid	ND ug/kg ND ug/kg ND ug/kg ND ug/kg		354 354 354 886	1 1 1	05/06/10 16:43 05/06/10 16:43 05/06/10 16:43 05/06/10 16:43	05/11/10 10:11 05/11/10 10:11 05/11/10 10:11 05/11/10 10:11	205-99-2 191-24-2 207-08-9 65-85-0	
Benzo(a)pyrene Benzo(b)fluoranthene Benzo(g,h,i)perylene Benzo(k)fluoranthene Benzoic acid Benzyl alcohol	ND ug/kg ND ug/kg ND ug/kg ND ug/kg ND ug/kg		354 354 354 886 354	1 1 1 1	05/06/10 16:43 05/06/10 16:43 05/06/10 16:43 05/06/10 16:43 05/06/10 16:43	05/11/10 10:11 05/11/10 10:11 05/11/10 10:11 05/11/10 10:11 05/11/10 10:11	205-99-2 191-24-2 207-08-9 65-85-0 100-51-6	
Benzo(a)pyrene Benzo(b)fluoranthene Benzo(g,h,i)perylene Benzo(k)fluoranthene Benzoic acid Benzyl alcohol 4-Bromophenylphenyl ether	ND ug/kg ND ug/kg ND ug/kg ND ug/kg ND ug/kg ND ug/kg		354 354 354 886 354 354	1 1 1 1 1	05/06/10 16:43 05/06/10 16:43 05/06/10 16:43 05/06/10 16:43 05/06/10 16:43	05/11/10 10:11 05/11/10 10:11 05/11/10 10:11 05/11/10 10:11 05/11/10 10:11	205-99-2 191-24-2 207-08-9 65-85-0 100-51-6 101-55-3	
Benzo(a)pyrene Benzo(b)fluoranthene Benzo(g,h,i)perylene Benzo(k)fluoranthene Benzoic acid Benzyl alcohol 4-Bromophenylphenyl ether Butylbenzylphthalate	ND ug/kg ND ug/kg ND ug/kg ND ug/kg ND ug/kg ND ug/kg ND ug/kg		354 354 354 886 354 354	1 1 1 1 1 1	05/06/10 16:43 05/06/10 16:43 05/06/10 16:43 05/06/10 16:43 05/06/10 16:43 05/06/10 16:43	05/11/10 10:11 05/11/10 10:11 05/11/10 10:11 05/11/10 10:11 05/11/10 10:11 05/11/10 10:11	205-99-2 191-24-2 207-08-9 65-85-0 100-51-6 101-55-3 85-68-7	
Benzo(a)anthracene Benzo(a)pyrene Benzo(b)fluoranthene Benzo(g,h,i)perylene Benzo(k)fluoranthene Benzoic acid Benzyl alcohol 4-Bromophenylphenyl ether Butylbenzylphthalate Carbazole 4-Chloro-3-methylphenol	ND ug/kg ND ug/kg ND ug/kg ND ug/kg ND ug/kg ND ug/kg		354 354 354 886 354 354	1 1 1 1 1	05/06/10 16:43 05/06/10 16:43 05/06/10 16:43 05/06/10 16:43 05/06/10 16:43 05/06/10 16:43 05/06/10 16:43	05/11/10 10:11 05/11/10 10:11 05/11/10 10:11 05/11/10 10:11 05/11/10 10:11	205-99-2 191-24-2 207-08-9 65-85-0 100-51-6 101-55-3 85-68-7 86-74-8	

Date: 06/16/2010 08.32 AM

REPORT OF LABORATORY ANALYSIS

Page 6 of 96

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CABOT-EPA 006392



ANALYTICAL RESULTS

Project.

2H/4H

Pace Project No.: 3027140

Sample: 2H/4H-1 Lab ID: 3027140001 Collected: 05/04/10 13:35 Received: 05/05/10 13:40 Matrix: Solid

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No	Qua
8270 MSSV FULL LIST MICROWAVE	Analytical Method:	EPA 8270	Preparation Met	nod: EP	A 3546			
bis(2-Chloroethoxy)methane	ND ug/kg		354	1	05/06/10 16.43	05/11/10 10:11	111-91-1	
bis(2-Chloroethyl) ether	ND ug/kg		354	1	05/06/10 16:43	05/11/10 10:11	111-44-4	
ois(2-Chloroisopropyl) ether	ND ug/kg		354	1	05/06/10 16:43	05/11/10 10:11	108-60-1	
2-Chloronaphthalene	ND ug/kg		354	1	05/06/10 16:43	05/11/10 10:11	91-58-7	
2-Chlorophenol	ND ug/kg		354	1	05/06/10 16:43	05/11/10 10.11	95-57-8	
4-Chlorophenylphenyl ether	ND ug/kg		354	1	05/06/10 16:43	05/11/10 10:11	7005-72-3	
Chrysene	ND ug/kg		354	1	05/06/10 16:43	05/11/10 10:11	218-01-9	
Dibenz(a,h)anthracene	ND ug/kg		354	1	05/06/10 16:43	05/11/10 10.11	53-70-3	
Dibenzofuran	ND ug/kg		354	1		05/11/10 10:11		
1,2-Dichlorobenzene	ND ug/kg		354	1		05/11/10 10:11		
1,3-Dichlorobenzene	ND ug/kg		354	1		05/11/10 10 11		
1,4-Dichlorobenzene	ND ug/kg		354	1		05/11/10 10:11		
3,3'-Dichlorobenzidine	ND ug/kg		354	1		05/11/10 10:11		
2,4-Dichlorophenol	ND ug/kg		354	1		05/11/10 10:11		
Diethylphthalate	ND ug/kg		354	1		05/11/10 10:11		
2,4-Dimethylphenol	ND ug/kg		354	1		05/11/10 10:11		
Dimethylphthalate	ND ug/kg		354	1		05/11/10 10.11		
Di-n-butylphthalate	ND ug/kg ND ug/kg		354	1		05/11/10 10:11		
• •			886	1		05/11/10 10:11		
4,6-Dinitro-2-methylphenol	ND ug/kg		886	1		05/11/10 10:11		
2,4-Dinitrophenol	ND ug/kg							
2,4-Dinitrotoluene	ND ug/kg		354	1		05/11/10 10.11		
2,6-Dinitrotoluene	ND ug/kg		354	1		05/11/10 10:11		
Di-n-octylphthalate	ND ug/kg		354	1		05/11/10 10:11		
ois(2-Ethylhexyl)phthalate	358 ug/kg		354	1		05/11/10 10.11		
Fluoranthene	ND ug/kg		354	1		05/11/10 10:11		
Fluorene	ND ug/kg		354	1		05/11/10 10:11		
Hexachloro-1,3-butadiene	ND ug/kg		354	1		05/11/10 10.11		
Hexachlorobenzene	ND ug/kg		354	1		05/11/10 10.11		
Hexachlorocyclopentadiene	ND ug/kg		354	1		05/11/10 10:11		
Hexachloroethane	ND ug/kg		354	1	05/06/10 16.43	05/11/10 10.11	67-72-1	
Indeno(1,2,3-cd)pyrene	ND ug/kg		354	1	05/06/10 16.43	05/11/10 10 11	193-39-5	
Isophorone	ND ug/kg		354	1	05/06/10 16:43	05/11/10 10:11	78-59-1	
1-Methylnaphthalene	ND ug/kg		354	1	05/06/10 16:43	05/11/10 10:11	90-12-0	
2-Methylnaphthalene	ND ug/kg		354	1	05/06/10 16:43	05/11/10 10·11	91-57-6	
2-Methylphenol(o-Cresol)	ND ug/kg		354	1	05/06/10 16:43	05/11/10 10.11	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND ug/kg		708	1	05/06/10 16:43	05/11/10 10.11		
Naphthalene	ND ug/kg		354	1	05/06/10 16:43	05/11/10 10:11	91-20-3	
2-Nitroaniline	ND ug/kg		886	1	05/06/10 16:43	05/11/10 10:11	88-74-4	
3-Nitroaniline	ND ug/kg		886	1	05/06/10 16 43	05/11/10 10 11	99-09-2	
4-Nitroaniline	ND ug/kg		886	1		05/11/10 10.11		
Nitrobenzene	ND ug/kg		354	1		05/11/10 10:11		
2-Nitrophenol	ND ug/kg		354	1		05/11/10 10:11		
4-Nitrophenol	ND ug/kg		354	1		05/11/10 10.11		
N-Nitrosodimethylamine	ND ug/kg		354	1		05/11/10 10:11		
N-Nitroso-di-n-propylamine	ND ug/kg		354	1		05/11/10 10:11		

Date: 06/16/2010 08.32 AM

REPORT OF LABORATORY ANALYSIS

Page 7 of 96

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CABOT-EPA 006393



Pace Analytical Services, Inc.

1638 Roseytown Road - Suites 2,3,4 Greensburg, PA 15601 (724)850-5600

(124)0

ANALYTICAL RESULTS

Project. 2H/4H
Pace Project No.: 3027140

Sample: 2H/4H-1	Lab ID: 302714	0001 Collected.	05/04/10	13:35	Received. 05	/05/10 13:40 N	/latrix: Solid	
Results reported on a "dry-weig	ht" basis							
Parameters	Results	Units Report	Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE	Analytical Method:	EPA 8270 Preparat	on Metho	od: EPA	3546			
N-Nitrosodiphenylamine	ND ug/kg		354	1	05/06/10 16:43	05/11/10 10:11	86-30-6	
Pentachlorophenol	ND ug/kg		886	1	05/06/10 16:43	05/11/10 10:11	87-86-5	
Phenanthrene	ND ug/kg		354	1	05/06/10 16:43	05/11/10 10:11	85-01-8	
Phenol	ND ug/kg		354	1	05/06/10 16:43	05/11/10 10:11	108-95-2	
Pyrene	ND ug/kg		354	1	05/06/10 16:43	05/11/10 10:11	129-00-0	
1,2,4-Trichlorobenzene	ND ug/kg		354	1	05/06/10 16:43	05/11/10 10:11	120-82-1	
2,4,5-Trichlorophenol	ND ug/kg		886	1	05/06/10 16:43	05/11/10 10:11	95-95-4	
2,4,6-Trichlorophenol	ND ug/kg		354	1	05/06/10 16:43	05/11/10 10:11	88-06-2	
Nitrobenzene-d5 (S)	74 %	;	35-114	1	05/06/10 16:43	05/11/10 10:11	4165-60-0	
2-Fluorobiphenyl (S)	86 %	•	43-116	1	05/06/10 16:43	05/11/10 10:11	321-60-8	
Terphenyl-d14 (S)	89 %	;	33-141	1	05/06/10 16:43	05/11/10 10:11	1718-51-0	
Phenol-d6 (S)	76 %		10-110	1	05/06/10 16:43	05/11/10 10.11	13127-88-3	
2-Fluorophenol (S)	89 %		21-110	1	05/06/10 16:43	05/11/10 10:11	367-12-4	
2,4,6-Tribromophenol (S)	88 %		10-123	1	05/06/10 16:43	05/11/10 10:11	118-79-6	
8260 MSV 5030 Low Level	Analytical Method	. EPA 8260						
Acetone	23.6 ug/kg		11.1	1		05/06/10 15 05	67-64-1	
Benzene	ND ug/kg		5.5	1		05/06/10 15 05		
Bromochloromethane	ND ug/kg		5.5	1		05/06/10 15:05		
Bromodichloromethane	ND ug/kg		5.5	1		05/06/10 15:05		
Bromoform	ND ug/kg		5.5	1		05/06/10 15.05		
Bromomethane	ND ug/kg		5.5	1		05/06/10 15:05		
TOTAL BTEX	ND ug/kg		33.3	1		05/06/10 15.05		
2-Butanone (MEK)	ND ug/kg		11.1	1		05/06/10 15.05		
n-Butylbenzene	ND ug/kg		5.5	1		05/06/10 15:05		
sec-Butylbenzene	ND ug/kg		5.5	1		05/06/10 15:05		
Carbon disulfide	ND ug/kg		5.5	1		05/06/10 15:05		
Carbon tetrachloride	ND ug/kg		5.5	1		05/06/10 15:05		
Chlorobenzene	ND ug/kg		5.5	1		05/06/10 15:05		
Chloroethane	ND ug/kg		5.5	1		05/06/10 15:05		
Chloroform	ND ug/kg		5.5	1		05/06/10 15:05		
Chloromethane	ND ug/kg		5.5 5.5	1		05/06/10 15:05		
Dibromochloromethane			5.5	1		05/06/10 15 05		
	ND ug/kg		5.5 5.5	1		05/06/10 15 05		
1,2-Dichlorobenzene	ND ug/kg		5.5 5.5	1		05/06/10 15 05		
1,3-Dichlorobenzene	ND ug/kg							
1,4-Dichlorobenzene	ND ug/kg		5.5	1 1		05/06/10 15 05		
1,1-Dichloroethane	ND ug/kg		5.5	1		05/06/10 15.05		
1,2-Dichloroethane	ND ug/kg		5.5			05/06/10 15 05		
1,2-Dichloroethene (Total)	ND ug/kg		11.1	1		05/06/10 15:05		
1,1-Dichloroethene	ND ug/kg		5.5	1		05/06/10 15.05		
cis-1,2-Dichloroethene	ND ug/kg		5.5	1		05/06/10 15.05		
trans-1,2-Dichloroethene	ND ug/kg		55	1		05/06/10 15.05		
1,2-Dichloropropane	ND ug/kg		5.5	1		05/06/10 15:05		
cis-1,3-Dichloropropene	ND ug/kg		5.5	1		05/06/10 15:05		
trans-1,3-Dichloropropene	ND ug/kg		55	1		05/06/10 15:05	10061-02-6	

Date. 06/16/2010 08.32 AM

REPORT OF LABORATORY ANALYSIS

Page 8 of 96

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CABOT-EPA 006394



ANALYTICAL RESULTS

Project:

2H/4H

Pace Project No.: 3027140

Sample: 2H/4H-1	Lab ID: 3027140001	Collected: 05/04/1	0 13.35	Received 0	5/05/10 13:40 N	latrix: Solid	
Results reported on a "dry-weigh	t" basis						
Parameters	Results Units	Report Limit	DF	Prepared	Analyzed	CAS No	Qua
8260 MSV 5030 Low Level	Analytical Method: EPA 826	30					
Ethylbenzene	ND ug/kg	5.5	1		05/06/10 15 05	100-41-4	
2-Hexanone	ND ug/kg	11.1	1		05/06/10 15:05	591-78-6	
Isopropylbenzene (Cumene)	ND ug/kg	5. 5	1		05/06/10 15:05	98-82-8	
p-Isopropyltoluene	ND ug/kg	5.5	1		05/06/10 15.05	99-87-6	
Methylene Chloride	ND ug/kg	5.5	1		05/06/10 15:05	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/kg	11.1	1		05/06/10 15 05	108-10-1	
Methyl-tert-butyl ether	ND ug/kg	5.5	1		05/06/10 15:05	1634-04-4	
Naphthalene	ND ug/kg	5.5	1		05/06/10 15 05	91-20-3	
n-Propylbenzene	ND ug/kg	5.5	1		05/06/10 15:05	103-65-1	
Styrene	ND ug/kg	5.5	1		05/06/10 15 05	100-42-5	
1,1,2,2-Tetrachloroethane	ND ug/kg	5.5	1		05/06/10 15:05	79-34-5	
Tetrachioroethene	ND ug/kg	5. 5	1		05/06/10 15:05	127-18-4	
Toluene	ND ug/kg	5.5	1		05/06/10 15.05	108-88-3	
1,2,4-Trichlorobenzene	ND ug/kg	5.5	1		05/06/10 15:05	120-82-1	
1,1,1-Trichloroethane	ND ug/kg	5.5	1		05/06/10 15 05	71-55-6	
1,1,2-Trichloroethane	ND ug/kg	5 5	1		05/06/10 15:05	79-00-5	
Trichloroethene	ND ug/kg	5.5	1		05/06/10 15.05	79-01-6	
1,2,4-Trimethylbenzene	ND ug/kg	5.5	1		05/06/10 15:05	95-63-6	
1,3,5-Trimethylbenzene	ND ug/kg	5.5	1		05/06/10 15:05	108-67-8	
Vinyl chloride	ND ug/kg	5.5	1		05/06/10 15:05	75-01-4	
Xylene (Total)	ND ug/kg	16 6	1		05/06/10 15:05	1330-20-7	
m&p-Xylene	ND ug/kg	11.1	1		05/06/10 15.05		
o-Xylene	ND ug/kg	5.5	1		05/06/10 15:05		
Toluene-d8 (S)	91 %	70-130	1		05/06/10 15:05		
4-Bromofluorobenzene (S)	102 %	70-130	1		05/06/10 15:05		
1,2-Dichloroethane-d4 (S)	111 %	70-130	1		05/06/10 15 05		
Percent Moisture	Analytical Method: ASTM D	02974-87					
Percent Moisture	8.6 %	0.10	1		05/05/10 20.50	1	
350.1 Ammonia	Analytical Method: EPA 35	0.1					
Nitrogen, Ammonia	14.0 mg/kg	4.9	1		05/08/10 15:55	7664-41-7	

Date: 06/16/2010 08.32 AM

REPORT OF LABORATORY ANALYSIS

Page 9 of 96

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CABOT-EPA 006395



ANALYTICAL RESULTS

Project. 2H/4H

Pace Project No.: 3027140

Sample: 2H/4H-1 (ASTM)	Lab ID: 302714	10002 C	collected: 05/04/1	0 13:35	Received: 05	5/05/10 13:40 N	fatrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No	Qual
5540C MBAS Surfactants	Analytical Method	. SM 55400						
Surfactants	ND mg/L		0.10	1		05/07/10 15:01		2c
4500 Chloride	Analytical Method	: SM 4500-	CI-E					
Chloride	ND mg/L		3.0	1		05/08/10 11:22	16887-00-6	

Date. 06/16/2010 08:32 AM

REPORT OF LABORATORY ANALYSIS

Page 10 of 96

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CABOT-EPA 006396



ANALYTICAL RESULTS

Project. 2H/4H

Pace Project No: 3027140

Sample: 2H/4H-2	Lab ID: 302	27140003	Collected: 05/04/1	10 13:4	5 Received: 05	/05/10 13:40 N	latrix Solid	
Results reported on a "dry-weigi Parameters	nt" basis Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qua
6010 MET ICP	Analytical Met	thod: EPA 60°	10B Preparation Me	ethod. E	PA 3050	· · · · · · · · · · · · · · · · · · ·		
Aluminum	9990 m		6.8	1		05/07/10 13 54	7429-90-5	
Antimony	0.56 m		0.34	1	05/06/10 19.05	05/07/10 13:54	7440-36-0	
Arsenic	2.4 m		0.34	1		05/07/10 13:54		
Barium	1100 m		1.4	1		05/07/10 13.54		
Be ry lliu m	0.61 m		0.14	1		05/07/10 13:54		
Boron	4.3 m		3.4	1		05/07/10 13:54		
Cadmium	ND m		0.14	1		05/07/10 13.54		
Calcium	1470 m		136	1		05/07/10 13:54		
Chromium	13.9 гг		0.34	1		05/07/10 13 54		
Cobalt	10.3 m		0 68	1		05/07/10 13:54		
Copper	9.7 m		0.68	1		05/07/10 13:54		
Iron	25200 m		6.8	1		05/07/10 13.54		
Lead	6.0 m		0.34	1		05/07/10 13:54		
Magnesium	4270 m		34.1	1		05/07/10 13:54		
Manganese	364 m		0 68	1		05/07/10 13.54		
Molybdenum	ND m		1.4	1		05/07/10 13:54		
Nickel	22.1 m		1.4	1		05/07/10 13:54		
Potassium	1470 m		34.1	1		05/07/10 13:54		
Selenium	ND m	-	0.34	1		05/07/10 13:54		
Silver	ND m		0 14	1		05/07/10 13 54		
Sodium	ND m		341	1		05/07/10 13:54		
Thallium	ND m	~ •	1.4	1		05/07/10 13:54		
Vanadium	12.2 m		0.68	1		05/07/10 13.54		
Zinc	47.7 m		0.68	1		05/07/10 13:54		
7471 Mercury	Analytical Me	thod. EPA 74	71 Preparation Met	thod: El	PA 7471			
Mercury	ND n	ng/kg	0.11	1	05/07/10 12:10	05/10/10 09:29	7439-97-6	
8270 MSSV FULL LIST MICROWAVE	Analytical Me	thod. EPA 82	70 Preparation Met	thod: El	PA 3546			
Acenaphthene	ND u	g/kg	360	1	05/06/10 16.43	05/11/10 10:34	83-32-9	
Acenaphthylene	ND u	g/kg	360	1	05/06/10 16:43	05/11/10 10:34	208-96-8	
Anthracene	ND u	g/kg	360	1	05/06/10 16:43	05/11/10 10.34	120-12-7	
Azobenzene	ND u	g/kg	360	1	05/06/10 16.43	05/11/10 10:34	103-33-3	
Benzo(a)anthracene	ND u	g/kg	360	1	05/06/10 16:43	05/11/10 10:34	56-55-3	
Benzo(a)pyrene	ND u	g/kg	360	1	05/06/10 16:43	05/11/10 10:34	50-32-8	
Benzo(b)fluoranthene	ND u	g/kg	360	1	05/06/10 16:43	05/11/10 10.34	205-99-2	
Benzo(g,h,i)perylene	ND u	g/kg	360	1	05/06/10 16:43	05/11/10 10:34	191-24-2	
Benzo(k)fluoranthene	ND u	g/kg	360	1		05/11/10 10:34		
Benzoic acid	ND u	g/kg	901	1	05/06/10 16.43	05/11/10 10 [.] 34	65-85-0	
Benzyl alcohol	ND u	ıg/kg	360	1	05/06/10 16:43	05/11/10 10:34	100-51-6	
4-Bromophenylphenyl ether	ND u	g/kg	360	1	05/06/10 16:43	05/11/10 10:34	101-55-3	
Putulbanzulahthalata	ND u	مالاه	360		05/06/40 46:40	05/44/40 40 24	05 60 7	

Date: 06/16/2010 08:32 AM

4-Chloro-3-methylphenol

Butylbenzylphthalate

Carbazole

4-Chloroaniline

REPORT OF LABORATORY ANALYSIS

360

360

360

360

1

1

Page 11 of 96

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ND ug/kg

ND ug/kg

ND ug/kg

ND ug/kg



CABOT-EPA 006397

05/06/10 16:43 05/11/10 10:34 85-68-7

05/06/10 16.43 05/11/10 10:34 86-74-8

05/06/10 16:43 05/11/10 10:34 59-50-7

05/06/10 16:43 05/11/10 10:34 106-47-8



Pace Analytical Services, Inc.

1638 Roseytown Road - Suites 2,3,4 Greensburg, PA 15601

(724)850-5600

ANALYTICAL RESULTS

Project:

2H/4H

Pace Project No.: 3027140

Sample: 2H/4H-2	Lab ID: 302	7140003	Collected: 05/04/1	U 13:45	Received: 05	/05/10 13:40 N	/latrix: Solid	
Results reported on a "dry-weight	" basis							
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qua
8270 MSSV FULL LIST MICROWAVE	Analytical Met	hod: EPA 82	70 Preparation Meth	nod. EP	A 3546			
bis(2-Chloroethoxy)methane	ND ug	ı/kg	360	1	05/06/10 16 43	05/11/10 10:34	111-91-1	
bis(2-Chloroethyl) ether	ND ug	/kg	360	1	05/06/10 16 43	05/11/10 10:34	111-44-4	
bis(2-Chloroisopropyl) ether	ND ug	/kg	360	1	05/06/10 16.43	05/11/10 10:34	108-60-1	
2-Chloronaphthalene	ND ug		360	1		05/11/10 10:34		
2-Chlorophenol	ND ug	/kg	360	1		05/11/10 10.34		
4-Chlorophenylphenyl ether	ND ug	•	360	1		05/11/10 10:34		
Chrysene	ND ug		360	1		05/11/10 10 34		
Dibenz(a,h)anthracene	ND ug	_	360	1		05/11/10 10 34		
Dibenzofuran	ND ug	_	360	1		05/11/10 10 34		
1,2-Dichlorobenzene	ND ug	_	360	1		05/11/10 10:34		
1,3-Dichlorobenzene	ND ug	-	360	1		05/11/10 10:34		
1,4-Dichlorobenzene	ND ug		360	1		05/11/10 10.34		
3,3'-Dichlorobenzidine	ND ug		360	1		05/11/10 10.34		
2,4-Dichlorophenol	ND ug	. •	360	1		05/11/10 10:34		
Diethylphthalate	ND ug	. •	360	1		05/11/10 10:34		
2,4-Dimethylphenol	ND ug	. •	360	1		05/11/10 10:34		
Dimethylphthalate	ND ug	. •	360	1		05/11/10 10:34		
Di-n-butylphthalate	ND ug	-	360	1		05/11/10 10:34		
1,6-Dinitro-2-methylphenol	ND ug		901	1		05/11/10 10:34		
2,4-Dinitrophenol	ND ug	-	901	1		05/11/10 10:34		
2.4-Dinitrotoluene	ND ug	_	360	1		05/11/10 10:34		
2,6-Dinitrotoluene	ND ug		360	1		05/11/10 10:34		
Di-n-octylphthalate	ND ug		360	1				
bis(2-Ethylhexyl)phthalate	ND ug	-	360	1		05/11/10 10:34 05/11/10 10:34		
Fluoranthene			360	1				
Fluorene	ND ug	-		1		05/11/10 10:34		
Hexachloro-1,3-butadiene	ND ug	. •	360	1		05/11/10 10:34		
•	ND ug		360			05/11/10 10:34		
Hexachlorobenzene	ND ug		360	1		05/11/10 10:34		
Hexachlorocyclopentadiene	ND ug	-	360	1		05/11/10 10:34		
Hexachloroethane	ND ug		360	1		05/11/10 10:34		
ndeno(1,2,3-cd)pyrene	ND ug	-	360	1		05/11/10 10:34		
sophorone	ND ug	-	360	1		05/11/10 10.34		
1-Methylnaphthaiene	ND ug		360	1		05/11/10 10.34		
2-Methylnaphthalene	ND ug		360	1		05/11/10 10 34		
2-Methylphenol(o-Cresol)	ND ug	-	360	1		05/11/10 10:34	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND ug		721	1		05/11/10 10:34		
Naphthalene	ND ug	_	360	1		05/11/10 10:34		
2-Nitroaniline	ND ug	-	901	1		05/11/10 10:34		
3-Nitroaniline	ND ug		901	1		05/11/10 10:34		
4-Nitroaniline	ND ug		901	1		05/11/10 10:34		
Nitrobenzene	ND ug	-	360	1		05/11/10 10.34		
2-Nitrophenol	ND ug	J/kg	360	1	05/06/10 16:43	05/11/10 10.34	88-75-5	
1-Nitrophenol	ND ug	J/kg	360	1	05/06/10 16:43	05/11/10 10 34	100-02-7	
N-Nitrosodimethylamine	ND ug	g/kg	360	1	05/06/10 16:43	05/11/10 10:34	62-75-9	
N-Nitroso-di-n-propylamine	ND ug	ı/kg	360	1	05/06/10 16:43	05/11/10 10.34	621-64-7	

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REPORT OF LABORATORY ANALYSIS

Page 12 of 96

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CABOT-EPA 006398



ANALYTICAL RESULTS

Project:

2H/4H

Pace Project No..

Sample: 2H/4H-2

3027140

Lab ID: 3027140003

Collected: 05/04/10 13.45 Received. 05/05/10 13 40 Matrix: Solid

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qua
8270 MSSV FULL LIST MICROWAVE	Analytical Metho	od: EPA 8270	O Preparation Met	nod: EF	PA 3546			
N-Nitrosodiphenylamine	ND ug/k	g	360	1	05/06/10 16:43	05/11/10 10:34	86-30- 6	
Pentachlorophenol	ND ug/k	g	901	1	05/06/10 16:43	05/11/10 10:34	87-86-5	
Phenanthrene	ND ug/k	g	360	1	05/06/10 16:43	05/11/10 10 34	85-01-8	
Phenol	ND ug/k	ia .	360	1	05/06/10 16:43	05/11/10 10.34	108-95-2	
Pyrene	ND ug/k	_	360	1		05/11/10 10:34		
1,2,4-Trichlorobenzene	ND ug/k	_	360	1	05/06/10 16:43	05/11/10 10:34	120-82-1	
2,4,5-Trichlorophenol	ND ug/k	-	901	1		05/11/10 10 34		
2,4,6-Trichlorophenol	ND ug/k	_	360	1		05/11/10 10:34		
Nitrobenzene-d5 (S)	68 %	9	35-114	1		05/11/10 10:34		
2-Fluorobiphenyl (S)	65 %		43-116	1		05/11/10 10.34		
Terphenyl-d14 (S)	86 %		33-141	1		05/11/10 10:34		
Phenol-d6 (S)	72 %		10-110	1		05/11/10 10:34		
2-Fluorophenol (S)	77 %		21-110	1		05/11/10 10:34		
2,4,6-Tribromophenol (S)	77 %		10-123	1		05/11/10 10.34		
8260 MSV 5030 Low Level	Analytical Metho	od: EPA 826		·				
Acetone	31.9 ug/l	m	9.3	1		05/06/10 15:29	67-64-1	
Benzene	ND ug/	•	4.6	1		05/06/10 15:29		
Bromochloromethane	ND ug/k	-	4.6	1		05/06/10 15:29		
Bromodichloromethane	-	-	4.6	1		05/06/10 15:29		
Bromoform	ND ug/l ND ug/l	-	4.6	1		05/06/10 15:29		
Bromomethane	•	-	4.6	1				
TOTAL BTEX	ND ug/	-	4.6 27.9	1		05/06/10 15:29 05/06/10 15:29	74-63-9	
	ND ug/	-	_				70.00.0	
2-Butanone (MEK)	ND ug/k	_	9.3	1		05/06/10 15:29		
n-Butylbenzene	ND ug/l	•	4.6	1		05/06/10 15:29		
sec-Butylbenzene	ND ug/	•	4.6	1		05/06/10 15:29		
Carbon disulfide	ND ug/l	•	4.6	1		05/06/10 15:29		
Carbon tetrachloride	ND ug/l	-	4.6	1		05/06/10 15:29		
Chlorobenzene	ND ug/l	-	4.6	1		05/06/10 15:29		
Chloroethane	ND ug/l	-	4.6	1		05/06/10 15:29		
Chloroform	ND ug/l	-	4.6	1		05/06/10 15:29		
Chloromethane	ND ug/l	-	4.6	1		05/06/10 15:29		
Dibromochloromethane	ND ug/l	_	4.6	1		05/06/10 15:29		
1,2-Dichlorobenzene	ND ug/l	_	4.6	1		05/06/10 15:29		
1,3-Dichlorobenzene	ND ug/l	•	4.6	1		05/06/10 15:29		
1,4-Dichlorobenzene	ND ug/l	-	4.6	1		05/06/10 15:29		
1,1-Dichloroethane	ND ug/l	-	4.6	1		05/06/10 15·29		
1,2-Dichloroethane	ND ug/l	-	4.6	1		05/06/10 15 29		
1,2-Dichloroethene (Total)	ND ug/l	•	9. 3	1		05/06/10 15:29		
1,1-Dichloroethene	ND ug/l	∢g	4.6	1		05/06/10 15:29		
cis-1,2-Dichloroethene	ND ug/l	⟨g	4.6	1		05/06/10 15:29	156-59-2	
trans-1,2-Dichloroethene	ND ug/l	kg	4.6	1		05/06/10 15:29	156-60-5	
1,2-Dichloropropane	ND ug/	kg	4.6	1		05/06/10 15:29	78-87-5	
cis-1,3-Dichloropropene	ND ug/	kg	4 6	1		05/06/10 15:29	10061-01-5	
trans-1,3-Dichloropropene	ND ug/	kg	4 6	1		05/06/10 15:29	10061-02-6	

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REPORT OF LABORATORY ANALYSIS

Page 13 of 96

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CABOT-EPA 006399



ANALYTICAL RESULTS

Project⁻

2H/4H

Pace Project No.. 3027140

Sample: 2H/4H-2	Lab ID: 3027140003	Collected: 05/04/1	0 13 [.] 45	Received. 0	5/05/10 13 ⁻ 40 N	/latrix: Solid	
Results reported on a "dry-weigh	t" basis						
Parameters	Results Units	Report Limit	DF	Prepared	Analyzed	CAS No	Qual
8260 MSV 5030 Low Level	Analytical Method EPA 826	0					
Ethylbenzene	ND ug/kg	4.6	1		05/06/10 15 ⁻ 29	100-41-4	
2-Hexanone	ND ug/kg	9.3	1		05/06/10 15.29	591-78-6	
Isopropylbenzene (Cumene)	ND ug/kg	4.6	1		05/06/10 15.29	98-82-8	
p-Isopropyltoluene	ND ug/kg	4.6	1		05/06/10 15.29	99-87-6	
Methylene Chloride	ND ug/kg	4.6	1		05/06/10 15:29	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/kg	9.3	1		05/06/10 15:29	108-10-1	
Methyl-tert-butyl ether	ND ug/kg	4.6	1		05/06/10 15:29	1634-04-4	
Naphthalene	ND ug/kg	4.6	1		05/06/10 15:29	91-20-3	
n-Propylbenzene	ND ug/kg	4.6	1		05/06/10 15:29	103-65-1	
Styrene	ND ug/kg	4 6	1		05/06/10 15:29	100-42-5	
1,1,2,2-Tetrachloroethane	ND ug/kg	4 6	1		05/06/10 15:29	79-34-5	
Tetrachloroethene	ND ug/kg	46	1		05/06/10 15:29	127-18-4	
Toluene	ND ug/kg	4.6	1		05/06/10 15:29	108-88-3	
1,2,4-Trichlorobenzene	ND ug/kg	4.6	1		05/06/10 15.29	120-82-1	
1,1,1-Trichloroethane	ND ug/kg	4.6	1		05/06/10 15.29	71-55-6	
1,1,2-Trichloroethane	ND ug/kg	4.6	1		05/06/10 15.29	79-00-5	
Trichloroethene	ND ug/kg	4.6	1		05/06/10 15:29	79-01-6	
1,2,4-Trimethylbenzene	ND ug/kg	4.6	1		05/06/10 15:29	95-63-6	
1,3,5-Trimethylbenzene	ND ug/kg	4.6	1		05/06/10 15:29	108-67-8	
Vinyl chloride	ND ug/kg	4 6	1		05/06/10 15:29	75-01-4	
Xylene (Total)	ND ug/kg	13 9	1		05/06/10 15:29	1330-20-7	
m&p-Xylene	ND ug/kg	9.3	1		05/06/10 15.29	179601-23-1	
o-Xylene	ND ug/kg	46	1		05/06/10 15 29	95-47-6	
Toluene-d8 (S)	93 %	70-130	1		05/06/10 15·29	2037-26-5	
4-Bromofluorobenzene (S)	103 %	70-130	1		05/06/10 15 ⁻ 29	460-00-4	
1,2-Dichloroethane-d4 (S)	117 %	70-130	1		05/06/10 15:29	17060-07-0	
Percent Moisture	Analytical Method: ASTM D	2974-87					
Percent Moisture	10.6 %	0.10	1		05/05/10 20:51		
350.1 Ammonia	Analytical Method. EPA 350).1					
Nitrogen, Ammonia	7.7 mg/kg	5.4	1		05/08/10 15 ⁻ 56	7664-41-7	

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REPORT OF LABORATORY ANALYSIS

Page 14 of 96

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CABOT-EPA 006400



ANALYTICAL RESULTS

Project:

2H/4H

Pace Project No.: 3027140

S	1 - b 10 - 201	27440004	C-1111- 05/04/4	0.42.45	Deseived 0	E/0E/40 40:40 B	4-4 \\\	
Sample: 2H/4H-2 (ASTM)	Lab ID: 302	2/140004	Collected: 05/04/1	0 13 45	Received: U	5/05/10 13:40 N	Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
5540C MBAS Surfactants	Analytical Me	thod: SM 55	40C					
Surfactants	ND m	ng/L	0.10	1		05/07/10 15:01		
4500 Chloride	Analytical Me	thod [.] SM 45	00-CI-E					
Chloride	ND m	ng/L	3.0	1		05/08/10 11:23	16887-00-6	

Date: 06/16/2010 08:32 AM

REPORT OF LABORATORY ANALYSIS

Page 15 of 96



CABOT-EPA 006401



ANALYTICAL RESULTS

Project: 2H/4H
Pace Project No.: 3027140

Sample 2H/4H-7	Lab ID: 302	7140005	Colle	cted: 05/04/	10 14:00	Received: 05	/05/10 13 [.] 40 N	fatrix: Solid	
Results reported on a "dry-weigi	ht" basis								
Parameters	Results	Units		Report Limit	DF	Prepared	Analyzed	CAS No	Qual
6010 MET ICP	Analytical Met	nod: EPA 6	010B P	reparation M	ethod. El	PA 3050			
Aluminum	18400 m	g/kg		12.5	1	05/06/10 19 05	05/07/10 13:57	7429-90-5	
Antimony	1.7 m	g/kg		0.63	1	05/06/10 19 05	05/07/10 13.57	7440-36-0	
Arsenic	46.9 m	g/kg		0.63	1	05/06/10 19.05	05/07/10 13.57	7440-38-2	
Barium	2660 m	g/kg		2.5	1	05/06/10 19:05	05/07/10 13.57	7440-39-3	
Beryllium	1.3 m	g/kg		0.25	1	05/06/10 19:05	05/07/10 13:57	7440-41-7	
Boron	7.4 m	g/kg		6.3	1	05/06/10 19.05	05/07/10 13:57	7440-42-8	
Cadmium	ND m	g/kg		0 25	1	05/06/10 19 05	05/07/10 13.57	7440-43-9	
Calcium	2640 m			250	1	05/06/10 19.05	05/07/10 13.57	7440-70-2	
Chromium	25.3 m	g/kg		0.63	1	05/06/10 19:05	05/07/10 13:57	7440-47-3	
Cobalt	38.4 m	g/kg		1.3	1	05/06/10 19:05	05/07/10 13:57	7440-48-4	
Copper	20.2 m	g/kg		1.3	1	05/06/10 19 05	05/07/10 13:57	7440-50-8	
Iron	46400 m	g/kg		12 5	1	05/06/10 19.05	05/07/10 13 57	7439-89-6	
Lead	33.6 m			0 63	1	05/06/10 19:05	05/07/10 13 57	7439-92-1	
Magnesium	7640 m			62.5	1		05/07/10 13:57		
Manganese	594 m			1.3	1	05/06/10 19.05	05/07/10 13:57	7439-96-5	
Molybdenum	3.1 m			2.5	1		05/07/10 13 57		
Nickel	45.2 m			2.5	1		05/07/10 13.57		
Potassium	2400 m			62.5	1		05/07/10 13:57		
Selenium	ND m			0.63	1		05/07/10 13:57		
Silver	ND m			0.25	1		05/07/10 13.57		
Sodium	ND m			625	1		05/07/10 13.57		
Thallium	ND m			2.5			05/07/10 13:57		
Vanadium	21.6 m			1.3			05/07/10 13:57		
Zinc	109 m			1.3			05/07/10 13:57		
7471 Mercury	Analytical Met	-	471 Pn	eparation Me					
•	•						05/40/40 00:04	7420 07 0	
Mercury	ND m			0.22			05/10/10 09 [.] 31	1439-91-0	
8270 MSSV FULL LIST MICROWAVE	Analytical Met	hod: EPA 8	270 Pr	eparation Met	thod: EP	A 3546			
Acenaphthene	ND ug	g/kg		774	1	05/06/10 16.43	05/11/10 10:57	83-32-9	
Acenaphthylene	ND ug	g/kg		774	1	05/06/10 16 43	05/11/10 10:57	208-96-8	
Anthracene	ND ug	/kg		774	1	05/06/10 16:43	05/11/10 10 ⁻ 57	120-12-7	
Azobenzene	ND ug	ı/ka		774	1	05/06/10 16:43	05/11/10 10 57	103-33-3	
Benzo(a)anthracene	ND ug			774			05/11/10 10.57		
Benzo(a)pyrene	ND ug			774	1	05/06/10 16.43	05/11/10 10:57	50-32-8	
Benzo(b)fluoranthene	ND ug	-		774	1	05/06/10 16:43	05/11/10 10:57	205-99-2	
Benzo(g,h,i)perylene	ND ug	-		774	1		05/11/10 10.57		
Benzo(k)fluoranthene	ND ug			774			05/11/10 10 57		
Benzoic acid	ND ug			1940	-		05/11/10 10:57		
Benzyl alcohol	ND us			774			05/11/10 10.57		
4-Bromophenylphenyl ether	ND us			774			05/11/10 10:57		
Butylbenzylphthalate	ND us	-		774			05/11/10 10:57		
Carbazole	ND us						05/11/10 10:57		
				114					
4-Chloro-3-methylphenol	ND u			774 774			05/11/10 10 57		

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REPORT OF LABORATORY ANALYSIS

Page 16 of 96

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CABOT-EPA 006402



ANALYTICAL RESULTS

Project:

2H/4H

Pace Project No.: 3027140

Sample: 2H/4H-7 Lab ID: 3027140005 Collected: 05/04/10 14:00 Received: 05/05/10 13:40 Matrix Solid

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qua
3270 MSSV FULL LIST	Analytical Method	EDA 8270	Preparation Meth	od: EE)A 3546		_	
MICROWAVE	7 may bear metried	LITTOLIO	r reparation met	10u, L1	A 5540			
ois(2-Chloroethoxy)methane	ND ug/kg		774	1	05/06/10 16:43	05/11/10 10:57	111_01_1	
ois(2-Chloroethyl) ether	ND ug/kg		774	1		05/11/10 10:57		
ois(2-Chloroisopropyl) ether	ND ug/kg		774	1		05/11/10 10:57		
2-Chloronaphthalene	ND ug/kg		774	1		05/11/10 10:57		
2-Chlorophenol	ND ug/kg		774	1		05/11/10 10:57	_	
4-Chlorophenylphenyl ether	ND ug/kg		774	1		05/11/10 10:57		
Chrysene	ND ug/kg		774	1		05/11/10 10:57		
Dibenz(a,h)anthracene	ND ug/kg		774	1		05/11/10 10:57		
Dibenzofuran	ND ug/kg		774	1		05/11/10 10.57		
1,2-Dichlorobenzene	ND ug/kg		774	1				
1,3-Dichlorobenzene	ND ug/kg		774	1		05/11/10 10:57		
1,4-Dichlorobenzene	ND ug/kg		774 774	1		05/11/10 10:57		
3,3'-Dichlorobenzidine			774	1		05/11/10 10 57		
2,4-Dichlorophenol	ND ug/kg		774 774	1		05/11/10 10:57		
Diethylphthalate	ND ug/kg			-		05/11/10 10:57		
• •	ND ug/kg		774	1		05/11/10 10.57		
2,4-Dimethylphenol	ND ug/kg		774	1		05/11/10 10:57		
Dimethylphthalate	ND ug/kg		774	1		05/11/10 10.57		
Di-n-butylphthalate	ND ug/kg		774	1		05/11/10 10:57		
1,6-Dinitro-2-methylphenol	ND ug/kg		1940	1		05/11/10 10 57		
2,4-Dinitrophenol	ND ug/kg		1940	1	05/06/10 16:43	05/11/10 10:57	51-28-5	
2,4-Dinitrotoluene	ND ug/kg		774	1		05/11/10 10:57		
2,6-Dinitrotoluene	ND ug/kg		774	1	05/06/10 16:43	05/11/10 10.57	606-20-2	
Di-n-octylphthalate	ND ug/kg		774	1	05/06/10 16 43	05/11/10 10:57	117-84-0	
pis(2-Ethylhexyl)phthalate	ND ug/kg		774	1	05/06/10 16.43	05/11/10 10 57	117-81 - 7	
Fluoranthene	ND ug/kg		774	1	05/06/10 16:43	05/11/10 10.57	206-44-0	
Fluorene	ND ug/kg		774	1	05/06/10 16.43	05/11/10 10:57	86-73 - 7	
Hexachloro-1,3-butadiene	ND ug/kg		774	1	05/06/10 16.43	05/11/10 10.57	87-68-3	
Hexachlorobenzene	ND ug/kg		774	1	05/06/10 16:43	05/11/10 10.57	118-74-1	
Hexachlorocyclopentadiene	ND ug/kg		774	1	05/06/10 16:43	05/11/10 10:57	77-47-4	
Hexachloroethane	ND ug/kg		774	1	05/06/10 16:43	05/11/10 10 57	67 - 72-1	
ndeno(1,2,3-cd)pyrene	ND ug/kg		774	1	05/06/10 16:43	05/11/10 10:57	193-39-5	
sophorone	ND ug/kg		774	1	05/06/10 16.43	05/11/10 10:57	78-59-1	
I-Methylnaphthalene	ND ug/kg		774	1		05/11/10 10.57		
2-Methylnaphthalene	ND ug/kg		774	1		05/11/10 10:57		
2-Methylphenol(o-Cresol)	ND ug/kg		774	1		05/11/10 10 57		
8&4-Methylphenol(m&p Cresol)	ND ug/kg		1550	1	05/06/10 16:43		00 10 /	
Naphthalene	ND ug/kg		774	1		05/11/10 10:57	01-20-3	
2-Nitroaniline	ND ug/kg		1940	1		05/11/10 10:57		
3-Nitroaniline	ND ug/kg		1940	1		05/11/10 10.57		
1-Nitroaniline	ND ug/kg		1940	1		05/11/10 10:57		
Nitrobenzene	ND ug/kg		774	1		05/11/10 10.57		
2-Nitrophenol	ND ug/kg		774 774	1				
4-Nitrophenol	ND ug/kg ND ug/kg		774 774			05/11/10 10.57		
N-Nitrosodimethylamine				1		05/11/10 10:57		
1-11-10-00-011 ICHIYIAHIIHC	ND ug/kg		774	1	05/06/10 16.43	05/11/10 10:57	62-75-9	

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REPORT OF LABORATORY ANALYSIS

Page 17 of 96

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CABOT-EPA 006403



ANALYTICAL RESULTS

Project 2H/4H

Pace Project No.: 3027140

Sample: 2H/4H-7	Lab ID: 302714	0005	Collected: 05/04/1	0 14:00	Received: 05	/05/10 13.40 N	latrix: Solid	
Results reported on a "dry-weig		1 lm:4-	Depart Large	D=	Dec	A notice	CAC N-	~
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No	Qua
8270 MSSV FULL LIST MICROWAVE	Analytical Method:	EPA 82	70 Preparation Meth	nod. EP	A 3546			
N-Nitrosodiphenylamine	ND ug/kg		774	1	05/06/10 16:43	05/11/10 10:57	86-30-6	
Pentachiorophenol	ND ug/kg		1940	1	05/06/10 16:43	05/11/10 10:57	87-86-5	
Phenanthrene	ND ug/kg		774	1	05/06/10 16:43	05/11/10 10:57	85-01-8	
Phenol	ND ug/kg		774	1	05/06/10 16:43	05/11/10 10:57	108-95-2	
Pyrene	ND ug/kg		774	1	05/06/10 16:43	05/11/10 10:57	129-00-0	
1,2,4-Trichlorobenzene	ND ug/kg		774	1	05/06/10 16:43	05/11/10 10:57	120-82-1	
2,4,5-Trichlorophenol	ND ug/kg		1940	1	05/06/10 16:43	05/11/10 10:57	95-95-4	
2,4,6-Trichlorophenol	ND ug/kg		774	1	05/06/10 16:43	05/11/10 10:57	88-06-2	
Nitrobenzene-d5 (S)	70 %		35-114	1	05/06/10 16:43	05/11/10 10:57	4165-60-0	
2-Fluorobiphenyl (S)	77 %		43-116	1	05/06/10 16:43	05/11/10 10:57	321-60-8	
Terphenyl-d14 (S)	110 %		33-141	1	05/06/10 16:43	05/11/10 10:57	1718-51-0	
Phenol-d6 (S)	74 %		10-1 10	1	05/06/10 16:43	05/11/10 10:57	13127-88-3	
2-Fluorophenol (S)	79 %		21-110	1	05/06/10 16:43	05/11/10 10:57	367-12-4	
2,4,6-Tribromophenol (S)	83 %		10-123	1	05/06/10 16:43	05/11/10 10:57	118-79-6	
8260 MSV 5030 Low Level	Analytical Method:	EPA 82	260					
Acetone	176 ug/kg		13.3	1		05/10/10 11:45	67-64-1	
Benzene	ND ug/kg		6.6	1		05/10/10 11:45	71-43-2	
Bromochloromethane	ND ug/kg		6 .6	1		05/10/10 11:45	74-97-5	
Bromodichloromethane	ND ug/kg		6 .6	1		05/10/10 11:45	75-27 -4	
Bromoform	ND ug/kg		6.6	1		05/10/10 11:45	75 -25 -2	
Bromomethane	ND ug/kg		6 .6	1		05/10/10 11:45	74-83-9	
TOTAL BTEX	ND ug/kg		39.9	1		05/10/10 11:45		
2-Butanone (MEK)	27.1 ug/kg		13.3	1		05/10/10 11:45	78-93-3	
n-Butylbenzene	ND ug/kg		6.6	1		05/10/10 11:45	104-51-8	
sec-Butylbenzene	ND ug/kg		6.6	1		05/10/10 11:45	135-98-8	
Carbon disulfide	31.1 ug/kg		6.6	1		05/10/10 11:45	75-15-0	
Carbon tetrachloride	ND ug/kg		6.6	1		05/10/10 11:45	56-23-5	
Chlorobenzene	ND ug/kg		6.6	1		05/10/10 11:45	108-90-7	
Chloroethane	ND ug/kg		6.6	1		05/10/10 11:45		
Chloroform	ND ug/kg		6.6	1		05/10/10 11:45	67-66-3	
Chloromethane	ND ug/kg		6.6	1		05/10/10 11:45		
Dibromochloromethane	ND ug/kg		6.6	1		05/10/10 11:45	124-48-1	
1,2-Dichlorobenzene	ND ug/kg		6.6	1		05/10/10 11:45		
1,3-Dichlorobenzene	ND ug/kg		6.6	1		05/10/10 11:45		
1,4-Dichlorobenzene	ND ug/kg		6.6	1		05/10/10 11:45		
1,1-Dichloroethane	ND ug/kg		6.6	1		05/10/10 11:45		
1,2-Dichloroethane	ND ug/kg		6.6	1		05/10/10 11:45		
1,2-Dichloroethene (Total)	ND ug/kg		13.3	1		05/10/10 11:45		
1,1-Dichloroethene	ND ug/kg		66	1		05/10/10 11:45		
cis-1,2-Dichloroethene	ND ug/kg		66	1		05/10/10 11:45		
trans-1,2-Dichloroethene	ND ug/kg		66	1		05/10/10 11:45		
1,2-Dichloropropane	ND ug/kg		66	1		05/10/10 11:45		
cis-1,3-Dichloropropene	ND ug/kg		66	1		05/10/10 11:45		
trans-1,3-Dichloropropene	ND ug/kg		66	1		05/10/10 11:45		

Date: 06/16/2010 08.32 AM

REPORT OF LABORATORY ANALYSIS

Page 18 of 96

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CABOT-EPA 006404



ANALYTICAL RESULTS

Project:

2H/4H

Pace Project No.: 3027140

Lab ID: 3027140005 Sample: 2H/4H-7 Collected: 05/04/10 14.00 Received: 05/05/10 13:40 Matrix: Solid Results reported on a "dry-weight" basis Parameters Results Report Limit DF CAS No Units Prepared Analyzed Qual 8260 MSV 5030 Low Level Analytical Method: EPA 8260 Ethylbenzene ND ug/kg 6.6 05/10/10 11:45 100-41-4 ND ug/kg 2-Hexanone 13.3 05/10/10 11:45 591-78-6 1 Isopropylbenzene (Cumene) ND ug/kg 6.6 05/10/10 11:45 98-82-8 6.6 05/10/10 11:45 99-87-6 p-Isopropyltoluene ND ug/kg 1 Methylene Chloride ND ug/kg 6.6 05/10/10 11:45 75-09-2 4-Methyl-2-pentanone (MIBK) 05/10/10 11.45 108-10-1 ND ug/kg 13.3 Methyl-tert-butyl ether ND ug/kg 6.6 05/10/10 11.45 1634-04-4 05/10/10 11:45 91-20-3 Naphthalene ND ug/kg 6.6 1 n-Propylbenzene ND ug/kg 66 05/10/10 11:45 103-65-1 ND ug/kg Styrene 6.6 05/10/10 11.45 100-42-5 1 1,1,2,2-Tetrachloroethane ND ug/kg 6.6 05/10/10 11:45 79-34-5 Tetrachloroethene ND ug/kg 66 05/10/10 11:45 127-18-4 1 Toluene ND ug/kg 6.6 05/10/10 11:45 108-88-3 1,2,4-Trichiorobenzene ND ug/kg 6.6 05/10/10 11:45 120-82-1 1,1,1-Trichloroethane ND ug/kg 6.6 05/10/10 11:45 71-55-6 ND ug/kg 1,1,2-Trichloroethane 6.6 05/10/10 11:45 79-00-5 1 Trichloroethene ND ug/kg 6.6 05/10/10 11 45 79-01-6 30.0 ug/kg 1,2,4-Trimethylbenzene 66 05/10/10 11:45 95-63-6 1,3,5-Trimethylbenzene 11.8 ug/kg 6.6 05/10/10 11:45 108-67-8 ND ug/kg Vinyl chloride 6.6 05/10/10 11:45 75-01-4 Xylene (Total) ND ug/kg 19.9 05/10/10 11:45 1330-20-7 m&p-Xylene ND ug/kg 133 05/10/10 11:45 179601-23-1 o-Xylene 7.3 ug/kg 6.6 05/10/10 11:45 95-47-6 70-130 Toluene-d8 (S) 105 % 05/10/10 11:45 2037-26-5 1 4-Bromofluorobenzene (S) 122 % 70-130 1 05/10/10 11:45 460-00-4 1,2-Dichloroethane-d4 (S) 105 % 70-130 05/10/10 11:45 17060-07-0 **Percent Moisture** Analytical Method: ASTM D2974-87 Percent Moisture 57.5 % 05/05/10 20 52 0.10 Analytical Method. EPA 350.1 350.1 Ammonia

Date 06/16/2010 08 32 AM

Nitrogen, Ammonia

REPORT OF LABORATORY ANALYSIS

11.6

88.0 mg/kg

Page 19 of 96

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CABOT-EPA 006405

05/08/10 15:57 7664-41-7



ANALYTICAL RESULTS

Project.

Pace Project No.: 3027140

2H/4H

Sample: 2H/4H-7 (ASTM)	Lab ID: 302	27140006	Collected: 05/04/	10 14:00	Received: 05	/05/10 13:40 I	Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
5540C MBAS Surfactants	Analytical Me	thod. SM 554	10C					
Surfactants	ND m	ng/L	0.10	1		05/07/10 15:01	l	
4500 Chloride	Analytical Me	thod: SM 450	00-CI-E					
Chloride	3.8 m	ng/L	30	1		05/08/10 11.23	16887-00-6	

Date: 06/16/2010 08:32 AM

REPORT OF LABORATORY ANALYSIS

Page 20 of 96

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CABOT-EPA 006406





ANALYTICAL RESULTS

Project: 2H/4H
Pace Project No.: 3027140

Pace Project No.: 3027140							
Sample: 2H/4H-12	Lab ID: 3027140007	Collected: 05/04/10	14.15	Received 05	/05/10 13.40 N	Matrix. Solid	
Results reported on a "dry-weigh	nt" basis						
Parameters	Results Unit	s Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EP	A 6010B Preparation Meth	nod [.] El	PA 3050			
Aluminum	10800 mg/kg	8.0	1	05/06/10 19:05	05/07/10 14:00	7429-90-5	
Antimony	0.40 mg/kg	0.40	1	05/06/10 19 05	05/07/10 14:00	7440-36-0	
Arsenic	9.7 mg/kg	0 40	1	05/06/10 19.05	05/07/10 14:00	7440-38-2	
Barium	1510 mg/kg	1.6	1	05/06/10 19:05	05/07/10 14.00	7440-39-3	
Beryllium	0.61 mg/kg	0.16	1	05/06/10 19:05	05/07/10 14:00	7440-41-7	
Boron	4.0 mg/kg	4.0	1	05/06/10 19 05	05/07/10 14:00	7440-42-8	
Cadmium	ND mg/kg	0 16	1	05/06/10 19.05	05/07/10 14:00	7440-43-9	
Calcium	1600 mg/kg	159	1		05/07/10 14.00		
Chromium	14.5 mg/kg	0.40	1		05/07/10 14:00		
Cobalt	18.5 mg/kg	0.80	1		05/07/10 14:00		
Copper	6.1 mg/kg	0.80	1		05/07/10 14.00		
Iron	24600 mg/kg	8.0	i		05/07/10 14:00		
Lead	9.0 mg/kg	0.40	1		05/07/10 14:00		
Magnesium	4420 mg/kg	39.8	1		05/07/10 14:00		
•	320 mg/kg	0 80	1		05/07/10 14:00		
Manganese Malyhdanum		1.6	1		05/07/10 14:00		
Molybdenum Niekal	ND mg/kg	1.6	1		05/07/10 14:00		
Nickel	25.3 mg/kg						
Potassium	1510 mg/kg	39.8	1		05/07/10 14:00		
Selenium	ND mg/kg	0 40	1		05/07/10 14:00		
Silver	ND mg/kg	0 16	1		05/07/10 14:00		
Sodium	ND mg/kg	398	1		05/07/10 14:00		
Thallium	ND mg/kg	16	1		05/07/10 14 00		
Vanadium	12.3 mg/kg	0 80	1		05/07/10 14.00		
Zinc	53.9 mg/kg	0 8 0	1	05/06/10 19:05	05/07/10 14:00	7440-66-6	
7471 Mercury	Analytical Method: EP	A 7471 Preparation Metho	od: EP	A 7471			
Mercury	ND mg/kg	0.11	1	05/07/10 12:10	05/10/10 09.33	7439-97-6	
8270 MSSV FULL LIST MICROWAVE	Analytical Method: EP	A 8270 Preparation Metho	od: EP	A 3546			
Acenaphthene	ND ug/kg	392	1	05/06/10 16.43	05/11/10 16:16	83-32-9	
Acenaphthylene	ND ug/kg	392	1	05/06/10 16:43	05/11/10 16:16	208-96-8	
Anthracene	ND ug/kg	392	1	05/06/10 16:43	05/11/10 16:16	120-12-7	
Azobenzene	ND ug/kg	392	1	05/06/10 16 43	05/11/10 16:16	103-33-3	
Benzo(a)anthracene	ND ug/kg	392	1	05/06/10 16 43	05/11/10 16:16	56-55-3	
Benzo(a)pyrene	ND ug/kg	392	1	05/06/10 16.43	05/11/10 16:16	50-32-8	
Benzo(b)fluoranthene	ND ug/kg	392	1		05/11/10 16:16		
Benzo(g,h,i)perylene	ND ug/kg	392	1		05/11/10 16:16		
Benzo(k)fluoranthene	ND ug/kg	392	1		05/11/10 16.16		
Benzoic acid	ND ug/kg	981	1		05/11/10 16:16		
Benzyl alcohol	ND ug/kg	392	1		05/11/10 16:16		
4-Bromophenylphenyl ether	ND ug/kg	392	1		05/11/10 16:16		
	7 7	392	1		05/11/10 16:16		
Butylbenzylphthalate	ND ug/kg		1				
Carbazole	ND ug/kg	392			05/11/10 16:16		
4-Chloro-3-methylphenol	ND ug/kg	392	1		05/11/10 16:16		
4-Chloroaniline	ND ug/kg	392	1	05/06/10 16 43	05/11/10 16:16	106-47-8	

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REPORT OF LABORATORY ANALYSIS

Page 21 of 96

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CABOT-EPA 006407



(724)850-5600

ANALYTICAL RESULTS

Project:

2H/4H

Pace Project No: 3027140

Sample: 2H/4H-12 Lab ID: 3027140007

Collected: 05/04/10 14:15 Received: 05/05/10 13 40 Matrix Solid

Results reported on a "dry-weight" ba	eie.	
---------------------------------------	------	--

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qu
8270 MSSV FULL LIST MICROWAVE	Analytical Meth	nod: EPA 827	0 Preparation Met	nod: EF	A 3546			
bis(2-Chloroethoxy)methane	ND ug	/ka	392	1	05/06/10 16:43	05/11/10 16:16	111-91-1	
bis(2-Chloroethyl) ether	ND ug	-	392	1	05/06/10 16:43	05/11/10 16:16	111-44-4	
bis(2-Chloroisopropyl) ether	ND ug	-	392	1		05/11/10 16:16		
2-Chloronaphthalene	ND ug	-	392	1		05/11/10 16.16		
2-Chlorophenol	ND ug	•	392	1		05/11/10 16:16		
4-Chlorophenylphenyl ether	ND ug	•	392	1		05/11/10 16:16		
Chrysene	ND ug	•	392	1		05/11/10 16:16		
Dibenz(a,h)anthracene	ND ug	•	392	1		05/11/10 16:16		
Dibenzofuran	ND ug	-	392	1		05/11/10 16.16		
1,2-Dichlorobenzene	ND ug	-	392	1		05/11/10 16.16		
1,3-Dichlorobenzene	ND ug	-	392	1	05/06/10 16.43	05/11/10 16:16	541-73-1	
1,4-Dichlorobenzene	ND ug	-	392	1		05/11/10 16:16		
3,3'-Dichlorobenzidine	ND ug	_	392	1		05/11/10 16:16		
2,4-Dichlorophenol	ND ug	_	392	1		05/11/10 16:16		
Diethylphthalate	ND ug	-	392	1	05/06/10 16:43	05/11/10 16:16	84-66-2	
2,4-Dimethylphenol	ND ug	-	392	1		05/11/10 16.16		
Dimethylphthalate	ND ug	-	392	1		05/11/10 16:16		
Di-n-butylphthalate	ND ug	-	392	1		05/11/10 16:16		
4,6-Dinitro-2-methylphenol	ND ug	_	981	1		05/11/10 16:16		
2,4-Dinitrophenol	ND ug	_	981	1		05/11/10 16.16		
2,4-Dinitrotoluene	ND ug	-	392	1		05/11/10 16.16		
2,6-Dinitrotoluene	ND ug		392	1		05/11/10 16:16		
Di-n-octylphthalate	ND ug	_	392	1		05/11/10 16:16		
bis(2-Ethylhexyl)phthalate	ND ug	_	392	1		05/11/10 16:16		
Fluoranthene	ND ug	•	392	1		05/11/10 16 16		
Fluorene	ND ug	-	392	1		05/11/10 16 16		
Hexachloro-1,3-butadiene	ND ug	-	392	1		05/11/10 16:16		
Hexachlorobenzene	ND ug	_	392	1		05/11/10 16:16		
Hexachlorocyclopentadiene	ND ug	-	392	1		05/11/10 16:16		
Hexachloroethane	ND ug	-	392	1		05/11/10 16 16		
Indeno(1,2,3-cd)pyrene	ND ug		392	1		05/11/10 16.16		
Isophorone	ND ug	_	392	1		05/11/10 16.16		
1-Methylnaphthalene	ND ug		392	1		05/11/10 16:16		
2-Methylnaphthalene	ND ug	-	392	1		05/11/10 16:16		
2-Methylphenol(o-Cresol)	ND ug	-	392	1		05/11/10 16:16		
3&4-Methylphenol(m&p Cresol)	ND ug		785	1		05/11/10 16:16	·- ·	
Naphthalene	ND ug	-	392	1		05/11/10 16.16	91-20-3	
2-Nitroaniline	ND ug		981	1		05/11/10 16:16		
3-Nitroaniline	ND ug	-	981	1		05/11/10 16:16		
4-Nitroaniline	ND ug		981	1		05/11/10 16:16		
Nitrobenzene	ND ug		392	1		05/11/10 16:16		
2-Nitrophenol	ND us		392	1		05/11/10 16 16		
4-Nitrophenol	ND ug		392	1		05/11/10 16.16		
N-Nitrosodimethylamine	ND ug		392	1		05/11/10 16:16		
N-Nitroso-di-n-propylamine	ND ug		392	1		05/11/10 16:16		

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REPORT OF LABORATORY ANALYSIS

Page 22 of 96

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CABOT-EPA 006408



ANALYTICAL RESULTS

Collected 05/04/10 14:15 Received: 05/05/10 13:40 Matrix: Solid

Lab ID: 3027140007

ND ug/kg

ND ug/kg

ND ug/kg

ND ug/kg

ND ug/kg

ND ug/kg ND ug/kg

ND ug/kg

ND ug/kg

ND ug/kg

Project:

2H/4H

Pace Project No.: 3027140

Sample: 2H/4H-12

Results reported on a "dry-weight" basis Results DF CAS No. **Parameters** Units Report Limit Prepared Analyzed Qual 8270 MSSV FULL LIST Analytical Method: EPA 8270 Preparation Method: EPA 3546 MICROWAVE 05/06/10 16:43 05/11/10 16:16 86-30-6 N-Nitrosodiphenylamine ND ug/kg 392 Pentachlorophenol ND ug/kg 981 05/06/10 16:43 05/11/10 16:16 87-86-5 05/06/10 16:43 05/11/10 16.16 85-01-8 Phenanthrene ND ug/kg 392 ND ug/kg 392 05/06/10 16:43 05/11/10 16:16 108-95-2 Phenol 392 05/06/10 16:43 05/11/10 16.16 129-00-0 Pyrene ND ug/kg 1,2,4-Trichlorobenzene ND ug/kg 392 05/06/10 16:43 05/11/10 16:16 120-82-1 ND ug/kg 981 05/06/10 16 43 05/11/10 16:16 95-95-4 2.4.5-Trichlorophenol 2,4,6-Trichlorophenol ND ug/kg 392 05/06/10 16:43 05/11/10 16:16 88-06-2 81 % 35-114 05/06/10 16:43 05/11/10 16:16 4165-60-0 Nitrobenzene-d5 (S) 2-Fluorobiphenyl (S) 89 % 43-116 05/06/10 16.43 05/11/10 16:16 321-60-8 Terphenyl-d14 (S) 92 % 33-141 05/06/10 16:43 05/11/10 16:16 1718-51-0 Phenol-d6 (S) 69 % 10-110 05/06/10 16 43 05/11/10 16 16 13127-88-3 80 % 21-110 1 05/06/10 16:43 05/11/10 16:16 367-12-4 2-Fluorophenol (S) 2,4,6-Tribromophenol (S) 81 % 10-123 05/06/10 16:43 05/11/10 16:16 118-79-6 8260 MSV 5030 Low Level Analytical Method. EPA 8260 Acetone 82.5 ug/kg 9.5 1 05/06/10 16:18 67-64-1 Benzene ND ug/kg 47 05/06/10 16:18 71-43-2 1 Bromochloromethane ND ug/kg 4.7 05/06/10 16:18 74-97-5 Bromodichloromethane ND ug/kg 47 05/06/10 16:18 75-27-4 Bromoform ND ug/kg 4.7 05/06/10 16:18 75-25-2 Bromomethane 4.7 05/06/10 16 18 74-83-9 ND ua/ka TOTAL BTEX ND ug/kg 28.5 05/06/10 16:18 15.3 ug/kg 2-Butanone (MEK) 9.5 05/06/10 16:18 78-93-3 n-Butylbenzene ND ug/kg 4.7 05/06/10 16:18 104-51-8 ND ug/kg sec-Butylbenzene 4.7 05/06/10 16:18 135-98-8 Carbon disulfide 5.4 ug/kg 4.7 05/06/10 16:18 75-15-0 Carbon tetrachloride ND ug/kg 4,7 05/06/10 16.18 56-23-5 Chlorobenzene ND ug/kg 4.7 05/06/10 16:18 108-90-7 Chloroethane ND ug/kg 4.7 05/06/10 16.18 75-00-3 Chloroform ND ug/kg 47 05/06/10 16:18 67-66-3 Chloromethane ND ug/kg 4.7 05/06/10 16:18 74-87-3 Dibromochloromethane ND ug/kg 47 05/06/10 16.18 124-48-1 1,2-Dichlorobenzene ND ug/kg 4.7 05/06/10 16:18 95-50-1 1.3-Dichlorobenzene ND ug/kg 47 05/06/10 16.18 541-73-1

trans-1,3-Dichloropropene

Date: 06/16/2010 08:32 AM

1,4-Dichlorobenzene

1.1-Dichloroethane

1,2-Dichloroethane

1,1-Dichloroethene

cis-1,2-Dichloroethene

1.2-Dichloropropane

trans-1,2-Dichloroethene

cis-1,3-Dichloropropene

1.2-Dichloroethene (Total)

REPORT OF LABORATORY ANALYSIS

4.7

47

4.7

95

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4.7 4.7 1

1

Page 23 of 96

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CABOT-EPA 006409

05/06/10 16:18 106-46-7

05/06/10 16:18 75-34-3

05/06/10 16:18 107-06-2

05/06/10 16.18 540-59-0

05/06/10 16:18 75-35-4

05/06/10 16 18 156-59-2

05/06/10 16:18 156-60-5

05/06/10 16:18 10061-01-5

05/06/10 16.18 10061-02-6

05/06/10 16:18 78-87-5



ANALYTICAL RESULTS

Project:

2H/4H

Pace Project No.: 3027140

Sample: 2H/4H-12	Lab ID: 3027140007	Collected 05/04/1	0 14:15	Received: 05/05	/10 13:40	Matrix: Solid	
Results reported on a "dry-weigh	t" basis						
Parameters	Results Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5030 Low Level	Analytical Method: EPA 826	50					
Ethylbenzene	ND ug/kg	4.7	1	05	5/06/10 16:1	8 100-41-4	
2-Hexanone	ND ug/kg	9.5	1	05	5/06/10 16:1	8 591-78-6	
Isopropylbenzene (Cumene)	ND ug/kg	4.7	1	05	5/06/10 16:1	8 98-82-8	
p-Isopropyltoluene	ND ug/kg	47	1	05	5/06/10 16:1	8 99-87-6	
Methylene Chloride	ND ug/kg	4.7	1	05	5/06/10 16:1	8 75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/kg	9.5	1	05	5/06/10 16:1	8 108-10-1	
Methyl-tert-butyl ether	ND ug/kg	4 7	1	05	5/06/10 16:1	8 1634-04-4	
Naphthalene	ND ug/kg	4.7	1	05	5/06/10 16:1	8 91-20-3	
n-Propylbenzene	ND ug/kg	4.7	1	05	5/06/10 16:1	8 103-65-1	
Styrene	ND ug/kg	4.7	1	05	5/06/10 16:1	8 100-42-5	
1,1,2,2-Tetrachloroethane	ND ug/kg	4 7	1	05	5/06/10 16:1	8 79-34-5	
Tetrachloroethene	ND ug/kg	4 7	1	05	5/06/10 16:1	8 127-18-4	
Toluene	ND ug/kg	4.7	1	05	5/06/10 16:1	8 108-88-3	
1,2,4-Trichlorobenzene	ND ug/kg	4.7	1	05	5/06/10 16:1	8 120-82-1	
1,1,1-Trichloroethane	ND ug/kg	4.7	1	05	5/06/10 16 1	8 71-55-6	
1,1,2-Trichloroethane	ND ug/kg	4.7	1	05	5/06/10 16 1	8 79-00-5	
Trichloroethene	ND ug/kg	4.7	1	05	5/06/10 16.1	8 79-01-6	
1,2,4-Trimethylbenzene	ND ug/kg	4.7	1	05	5/06/10 16.1	8 95-63-6	
1,3,5-Trimethylbenzene	ND ug/kg	4.7	1	05	5/06/10 16:1	8 108-67-8	
Vinyl chloride	ND ug/kg	4.7	1	05	5/06/10 16:1	8 75-01-4	
Xylene (Total)	ND ug/kg	14.2	1	05	5/06/10 16:1	8 1330-20-7	
m&p-Xylene	ND ug/kg	9.5	1	05	5/06/10 16:1	8 179601-23-1	
o-Xylene	ND ug/kg	4.7	1	05	5/06/10 16:1	8 95-47-6	
Toluene-d8 (S)	92 %	70-130	1	0	5/06/10 16:1	8 2037-26-5	
4-Bromofluorobenzene (S)	103 %	70-130	1	05	5/06/10 16.1	8 460-00-4	
1,2-Dichloroethane-d4 (S)	114 %	70-130	1	0	5/06/10 16.1	8 17060-07-0	
Percent Moisture	Analytical Method: ASTM [02974-87					
Percent Moisture	15.1 %	0.10	1	0	5/05/10 20:5	3	
350.1 Ammonia	Analytical Method: EPA 35	0 1					
Nitrogen, Ammonia	28.8 mg/kg	5.3	1	0	5/08/10 15:5	8 7664-41-7	

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REPORT OF LABORATORY ANALYSIS

Page 24 of 96

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CABOT-EPA 006410



Pace Analytical Services, Inc.

1638 Roseytown Road - Suites 2,3,4 Greensburg, PA 15601

(724)850-5600

ANALYTICAL RESULTS

Project: 2H/4H

Pace Project No.: 3027140

Sample: 2H/4H-12 (ASTM)	Lab ID: 302	27140008	Collected: 05/04/1	0 14:15	Received, 05	5/05/10 13:40 M	latrıx Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
5540C MBAS Surfactants	Analytical Me	thod: SM 554	10C				-	
Surfactants	ND m	ng/L	0.10	1		05/07/10 15:01		
4500 Chloride	Analytical Me	thod. SM 450	00-CI-E					
Chlonde	3.9 m	ng/L	3.0	1		05/08/10 11:24	16887-00-6	

Date: 06/16/2010 08:32 AM

REPORT OF LABORATORY ANALYSIS

Page 25 of 96

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CABOT-EPA 006411



ANALYTICAL RESULTS

Project: 2H/4H
Pace Project No.: 3027140

Sample: 2H/4H-11	Lab ID: 30	27140009	Collected	05/04/1	10 14.30	Received. 05	/05/10 13:40	Matrix: Solid	
Results reported on a "dry-weig	ıht" basis								
Parameters	Results	Units	Repoi	rt Limit	DF	Prepared	Analyzed	CAS No.	Qua
6010 MET ICP	Analytical Me	thod: EPA 6	010B Prepai	ration Me	ethod: EF	PA 3050			
Aluminum	1290 0 r	ng/kg		96	1	05/06/10 19 05	05/07/10 14:0	3 7429-90-5	
Antimony	0.62 r	ng/kg		0.48	1	05/06/10 19:05	05/07/10 14.0	3 7440-36-0	
Arsenic	9.3 r	ng/kg		0.48	1	05/06/10 19.05	05/07/10 14:0	3 7440-38-2	
Barium	1870 r	ng/kg		1.9	1	05/06/10 19.05	05/07/10 14:0	3 7440-39-3	
Beryllium	0.81 n	ng/kg		0.19	1	05/06/10 19:05	05/07/10 14 0	3 7440-41-7	
Boron	5.4 r	ng/kg		4.8	1	05/06/10 19:05	05/07/10 14.0	3 7440-42-8	
Cadmium	ND r	ng/kg		0.19	1	05/06/10 19:05	05/07/10 14 0	3 7440-43-9	
Calcium	2180 r	ng/kg		192	1	05/06/10 19:05	05/07/10 14:0	3 7440-70-2	
Chromium	17.5 r	ng/kg		0.48	1	05/06/10 19:05	05/07/10 14:0	3 7440-47-3	
Cobalt	22.9 r	ng/kg		0.96	1	05/06/10 19:05	05/07/10 14:0	3 7440-48-4	
Copper	6.6 r	ng/kg		0 96	1	05/06/10 19:05	05/07/10 14.0	3 7440-50-8	
Iron	31000 r	ng/kg		9.6	1	05/06/10 19:05	05/07/10 14.0	3 7439-89-6	
Lead	7.3 r	ng/kg		0.48	1	05/06/10 19:05	05/07/10 14 ⁻ 0	3 7439-92-1	
Magnesium	5390 r	ng/kg		48.1	1	05/06/10 19:05	05/07/10 14:0	3 7439-95-4	
Manganese	315 r	ng/kg		0.96	1	05/06/10 19:05	05/07/10 14:0	3 7439-96-5	
Molybdenum	ND r	ng/kg		1.9	1	05/06/10 19:05	05/07/10 14:0	3 7439-98-7	
Nickel	30.9 r	ng/kg		1.9	1	05/06/10 19:05	05/07/10 14.0	3 7440-02-0	
Potassium	1810 r	ng/kg		48.1	1	05/06/10 19:05	05/07/10 14.0	3 7440-09-7	
Selenium	ND r	ng/kg		0.48	1	05/06/10 19:05	05/07/10 14:0	3 7782-49-2	
Silver		ng/kg		0.19	1	05/06/10 19:05	05/07/10 14.0	3 7440-22-4	
Sodium	ND r			481	1	05/06/10 19:05			
Thallium	ND r			1.9	1	05/06/10 19:05			
Vanadium	15.1 r	• •		0.96	1	05/06/10 19:05			
Zinc	62.4 r	~ ~		0.96	1	05/06/10 19:05			
7471 Mercury	Analytical Me	ethod [.] EPA 7	471 Prepara	ation Met	hod: EP/	A 7471			
Mercury	ND r	mg/kg		0.11	1	05/07/10 12:10	05/10/10 09.3	4 7439-97-6	
8270 MSSV FULL LIST MICROWAVE	Analytical Me	ethod EPA8	270 Prepara	ation Met	hod: EP/	A 3546			
Acenaphthene	ND t	ıg/kg		401	1	05/06/10 16:43	05/11/10 11:4	3 83-32-9	
Acenaphthylene	ND (ıg/kg		401	1	05/06/10 16:43	05/11/10 11:4	3 208-96-8	
Anthracene	ND t	ıg/kg		401	1	05/06/10 16:43	05/11/10 11:4	3 120-12-7	
Azobenzene	ND t	ug/kg		401	1	05/06/10 16:43	05/11/10 11:4	3 103-33-3	
Benzo(a)anthracene	ND t	ug/kg		401	1	05/06/10 16.43	05/11/10 11:4	3 56-55-3	
Benzo(a)pyrene	ND t	ug/kg		401	1	05/06/10 16:43	05/11/10 11:4	3 50-32-8	
Benzo(b)fluoranthene		ug/kg		401	1	05/06/10 16 43	05/11/10 11:4	3 205-99-2	
Benzo(g,h,i)perylene		ug/kg		401	1	05/06/10 16:43	05/11/10 11:4	3 191-24-2	
Benzo(k)fluoranthene		ug/kg		401	1	05/06/10 16:43	05/11/10 11:4	3 207-08-9	
Benzoic acid	ND (1000	1	05/06/10 16:43			
		ug/kg		401	1	05/06/10 16:43			
Benzyl alcohol				401	1	05/06/10 16:43			
•		ua/ka		401					
4-Bromophenylphenyl ether	ND (05/06/10 16:43	05/11/10 11:4		
4-Bromophenylphenyl ether Butylbenzylphthalate	ND (ug/kg		401	1	05/06/10 16:43 05/06/10 16:43		3 85-68-7	
Benzyl alcohol 4-Bromophenylphenyl ether Butylbenzylphthalate Carbazole 4-Chloro-3-methylphenol	ND (ND (ND (05/06/10 16:43 05/06/10 16:43 05/06/10 16:43	05/11/10 11.4	3 85-68-7 3 86-74- 8	

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REPORT OF LABORATORY ANALYSIS

Page 26 of 96

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CABOT-EPA 006412



ANALYTICAL RESULTS

Project:

2H/4H

Pace Project No.: 3027140

Sample: 2H/4H-11	Lab ID: 3027	140009	Collected: 0	5/04/1	0 14:30	Received:	05/05/10 13:40	Matrix: Solid	
Results reported on a "dry-weight									
Parameters	Results	Units	Report L	imit	DF	Prepared	Analyzed	CAS No.	Qu:
3270 MSSV FULL LIST MICROWAVE	Analytical Meth	od: EPA 8	270 Preparatio	n Meth	od: EPA	3546			
bis(2-Chloroethoxy)methane	ND ug/	'kg		401	1	05/06/10 16:4	3 05/11/10 11:4	3 111-91-1	
bis(2-Chloroethyl) ether	ND ug/	'kg		401	1	05/06/10 16:4	3 05/11/10 11:4	3 111-44-4	
bis(2-Chloroisopropyl) ether	ND ug/	•		401	1		3 05/11/10 11:4		
2-Chloronaphthalene	ND ug/	'kg		401	1		3 05/11/10 11:4		
2-Chiorophenol	ND ug/	'kg		401	1		3 05/11/10 11:4		
4-Chlorophenylphenyl ether	ND ug/	-		401	1		3 05/11/10 11 4		
Chrysene	ND ug/	-		401	1		3 05/11/10 11:4		
Dibenz(a,h)anthracene	ND ug/	-		401	1		3 05/11/10 11 4		
Dibenzofuran	ND ug/	'kg		401	1		3 05/11/10 11:4		
1,2-Dichlorobenzene	ND ug/	-		401	1		3 05/11/10 11:4		
1,3-Dichlorobenzene	ND ug/	•		401	1		3 05/11/10 11:4		
1,4-Dichlorobenzene	ND ug/	•		401	1		3 05/11/10 11:4		
3,3'-Dichlorobenzidine	ND ug/	kg .		401	1		3 05/11/10 11.4		
2,4-Dichlorophenol	ND ug/	-		401	1		3 05/11/10 11:4		
Diethylphthalate	ND ug/	-		401	1		3 05/11/10 11:4		
2,4-Dimethylphenol	ND ug/	'ka		401	1		3 05/11/10 11:4		
Dimethylphthalate	ND ug/	_		401	1		3 05/11/10 11:4		
Di-n-butylphthalate	ND ug/	•		401	1		3 05/11/10 11:4		
1,6-Dinitro-2-methylphenol	ND ug/	-		1000	1		3 05/11/10 11:4		
2,4-Dinitrophenol	ND ug/	_		1000	1		3 05/11/10 11.4		
2,4-Dinitrotoluene	ND ug/	•		401	1		3 05/11/10 11:4		
2,6-Dinitrotoluene	ND ug/	•		401	1		3 05/11/10 11.4		
Di-n-octylphthalate	ND ug/	-		401	1		3 05/11/10 11:4		
ois(2-Ethylhexyl)phthalate	ND ug/	-		401	1		3 05/11/10 11:4		
Fluoranthene	ND ug/			401	1		3 05/11/10 11:4		
Fluorene	ND ug/	-		401	1		3 05/11/10 11:4		
Hexachloro-1,3-butadiene	ND ug/	_		401	1		3 05/11/10 11:4		
Hexachlorobenzene	ND ug/	•		401	1		3 05/11/10 11:4		
Hexachlorocyclopentadiene	ND ug/	•		401	1		3 05/11/10 11:4		
Hexachloroethane	ND ug/	•		401	1		3 05/11/10 11:4		
ndeno(1,2,3-cd)pyrene	ND ug/	•		401	1		3 05/11/10 11:4	_	
sophorone	ND ug/	•		401	1		3 05/11/10 11:4		
1-Methylnaphthalene	ND ug/	-		401	1		3 05/11/10 11:4		
2-Methylnaphthalene	ND ug/	-		401	1		3 05/11/10 11:4		
2-Methylphenol(o-Cresol)	ND ug/	-		401	1		3 05/11/10 11:4 3 05/11/10 11:4		
3&4-Methylphenol(m&p Cresol)	ND ug/	-		803	1		i3 05/11/10 11:4		
Naphthalene	ND ug/	•		401	1		i3 05/11/10 11:4	_	
2-Nitroaniline	ND ug/	_		1000	1		i3 05/11/10 11.4 i3 05/11/10 11.4		
3-Nitroaniline	ND ug/	•		1000	1		i3 05/11/10 11:4		
1-Nitroaniline	ND ug/	-		1000	i		3 05/11/10 11:4		
Nitrobenzene	ND ug/	•		401	1		i3 05/11/10 11:4 i3 05/11/10 11:4		
2-Nitrophenol	ND ug/	•		401	1		i3 05/11/10 11:4 i3 05/11/10 11:4		
4-Nitrophenol	ND ug/	-		401	1		is 05/11/10 11:4 is 05/11/10 11:4		
N-Nitrosodimethylamine	ND ug/	•		401	1		13 05/11/10 11:4 13 05/11/10 11:4		
N-Nitroso-di-n-propylamine	ND ug/	-		401	1		3 05/11/10 11:4 3 05/11/10 11:4		

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REPORT OF LABORATORY ANALYSIS

Page 27 of 96

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CABOT-EPA 006413



ANALYTICAL RESULTS

Project:

2H/4H

Pace Project No.: 3027140

Sample: 2H/4H-11	Lab ID: 30271	40009 Co	llected 0	5/04/1	0 14:30	Received: 05	5/05/10 13:40	Matrix Solid	
Results reported on a "dry-weig									
Parameters	Results	Units	Report L	imit _	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE	Analytical Metho	d: EPA 8270 F	Preparatio	n Meth	od: EPA	3546			
N-Nitrosodiphenylamine	ND ug/k	g		401	1	05/06/10 16:43	05/11/10 11:43	86-30-6	
Pentachiorophenol	ND ug/k	g		1000	1	05/06/10 16:43	05/11/10 11.43	87-86-5	
Phenanthrene	ND ug/k	g		401	1	05/06/10 16:43	05/11/10 11.43	85-01-8	
Phenol	ND ug/k	g		401	1	05/06/10 16:43	05/11/10 11.43	3 108-95-2	
Pyrene	ND ug/k	g		401	1	05/06/10 16:43	05/11/10 11.43	3 129-00-0	
1,2,4-Trichlorobenzene	ND ug/k	g		401	1	05/06/10 16:43	05/11/10 11.43	3 120-82-1	
2,4,5-Trichlorophenol	ND ug/k	g		1000	1	05/06/10 16:43	05/11/10 11:43	3 95-95-4	
2,4,6-Trichlorophenol	ND ug/k	9		401	1	05/06/10 16:43	05/11/10 11:43	88-06-2	
Nitrobenzene-d5 (S)	46 %	-	35	5-114	1	05/06/10 16:43	05/11/10 11:43	3 4165-60-0	
2-Fluorobiphenyl (S)	53 %		43	3-116	1		05/11/10 11:43		
Terphenyl-d14 (S)	76 %		33	3-141	1		05/11/10 11:43		
Phenoi-d6 (S)	43 %		10)-110	1	05/06/10 16:43	05/11/10 11:43	3 13127-88-3	
2-Fluorophenol (S)	48 %		21	I- 1 10	1	05/06/10 16:43	05/11/10 11:43	3 367-12-4	
2,4,6-Tribromophenol (S)	58 %		10)-123	1	05/06/10 16:43	05/11/10 11:43	3 118-79-6	
8260 MSV 5030 Low Level	Analytical Metho	d. EPA 8260							
Acetone	164 ug/k	g		10.9	1		05/06/10 16 4	2 67-64-1	
Benzene	ND ug/k			5.4	1		05/06/10 16:4		
Bromochloromethane	ND ug/k	-		5.4	1		05/06/10 16:4:		
Bromodichloromethane	ND ug/k	_		5.4	1		05/06/10 16:4:		
Bromoform	ND ug/k	-		5.4	1		05/06/10 16:4:		
Bromomethane	ND ug/k	-		5.4	1		05/06/10 16 4		
TOTAL BTEX	ND ug/k	_		32.7	1		05/06/10 16:4:		
2-Butanone (MEK)	61.3 ug/k	-		10.9	1		05/06/10 16:4		
n-Butylbenzene	ND ug/k	_		5.4	1		05/06/10 16:4		
sec-Butylbenzene	ND ug/k	-		5.4	1		05/06/10 16:4		
Carbon disulfide	12.9 ug/k	•		5.4	1		05/06/10 16:4		
Carbon tetrachloride	ND ug/k	-		5.4	1		05/06/10 16:4		
Chlorobenzene	ND ug/k	-		5.4	1		05/06/10 16:4		
Chloroethane	ND ug/k	-		5.4	1		05/06/10 16:4		
Chloroform	-	_		54	1				
	ND ug/k	-			1		05/06/10 16:4		
Chloromethane	ND ug/k	-		54			05/06/10 16:4		
Dibromochloromethane	ND ug/k	~		5 4 5 4	1		05/06/10 16:4		
1,2-Dichlorobenzene	ND ug/k						05/06/10 16:4		
1,3-Dichlorobenzene	ND ug/k	-		54	1		05/06/10 16:4		
1,4-Dichlorobenzene	ND ug/k	~		54	1		05/06/10 16:4		
1,1-Dichloroethane	ND ug/k	-		54	1		05/06/10 16:4		
1,2-Dichloroethane	ND ug/k	-		54	1		05/06/10 16:4		
1,2-Dichloroethene (Total)	ND ug/k	-		10.9	1		05/06/10 16:4		
1,1-Dichloroethene	ND ug/k			54	1		05/06/10 16:4		
cis-1,2-Dichloroethene	ND ug/k	~		5 4	1		05/06/10 16:4		
trans-1,2-Dichloroethene	ND ug/k	-		5 4	1		05/06/10 16:4		
1,2-Dichloropropane	ND ug/k	-		5.4	1		05/06/10 16:4		
cis-1,3-Dichloropropene	ND ug/k	-		5.4	1			2 10061-01-5	
trans-1,3-Dichloropropene	ND ug/k	g		54	1		05/06/10 16:4	2 10061-02-6	

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REPORT OF LABORATORY ANALYSIS

Page 28 of 96

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CABOT-EPA 006414



(724)850-5600

ANALYTICAL RESULTS

Project.

2H/4H

Pace Project No.:

Sample: 2H/4H-11 Lab ID: 3027140009 Collected: 05/04/10 14:30 Received. 05/05/10 13:40 Matrix: Solid

Results reported on	a "dry-weight"	Dasis
---------------------	----------------	-------

3027140

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qua
8260 MSV 5030 Low Level	Analytical Meth	od. EPA 826	0					
Ethylbenzene	ND ug	/kg	5 4	1		05/06/10 16:42	100-41-4	
2-Hexanone	ND ug	/kg	10.9	1		05/06/10 16 42	5 91-78 -6	
Isopropylbenzene (Cumene)	ND ug	/kg	5 4	1		05/06/10 16:42	98-82-8	
p-Isopropyitoluene	ND ug	/kg	5.4	1		05/06/10 16 42	99-87-6	
Methylene Chloride	ND ug	/kg	5 4	1		05/06/10 16:42	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug	/kg	10.9	1		05/06/10 16 42	108-10-1	
Methyl-tert-butyl ether	ND ug	/kg	5.4	1		05/06/10 16:42	1634-04-4	
Naphthalene	6.5 ug	/kg	5.4	1		05/06/10 16:42	91-20-3	
n-Propylbenzene	ND ug	/kg	5.4	1		05/06/10 16:42	103-65-1	
Styrene	ND ug	/kg	5.4	1		05/06/10 16:42	100-42-5	
1,1,2,2-Tetrachloroethane	ND ug	/kg	5.4	1		05/06/10 16.42	79-34-5	
Tetrachloroethene	8.1 ug	/kg	5.4	1		05/06/10 16:42	127-18-4	
Toluene	ND ug	/kg	5.4	1		05/06/10 16.42	108-88-3	
1,2,4-Trichlorobenzene	ND ug	/kg	5.4	1		05/06/10 16:42	120-82-1	
1,1,1-Trichloroethane	ND ug	/kg	5 4	1		05/06/10 16 42	71-55-6	
1,1,2-Trichloroethane	ND ug	/kg	5.4	1		05/06/10 16:42	79-00-5	
Trichloroethe ne	ND ug	/kg	5.4	1		05/06/10 16:42	79-01-6	
1,2,4-Trimethylbenzene	19.5 ug	/kg	5.4	1		05/06/10 16:42	95-63-6	
1,3,5-Trimethylbenzene	7.0 ug	/kg	5.4	1		05/06/10 16.42	108-67-8	
Vinyl chloride	ND ug	/kg	5.4	1		05/06/10 16:42	75-01-4	
Xylene (Total)	ND ug	/kg	16.3	1		05/06/10 16 42	1330-20-7	
m&p-Xylene	ND ug	/kg	10.9	1		05/06/10 16:42	179601-23-1	
o-Xylene	ND ug	/kg	5.4	1		05/06/10 16:42	95-47-6	
Toluene-d8 (S)	98 %		70-130	1		05/06/10 16:42	2037-26-5	
4-Bromofluorobenzene (S)	116 %		70-130	1		05/06/10 16.42	460-00-4	
1,2-Dichloroethane-d4 (S)	123 %		70-130	1		05/06/10 16:42	17060-07-0	
Percent Moisture	Analytical Metl	nod ASTM D	2974-87					
Percent Moisture	18.8 %		0.10	1		05/05/10 20:53		
350.1 Ammonia	Analytical Met	nod: EPA 350).1					
Nitrogen, Ammonia	47.3 mg	g/kg	5.5	1		05/08/10 15.59	7664-41-7	

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REPORT OF LABORATORY ANALYSIS

Page 29 of 96

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CABOT-EPA 006415



ANALYTICAL RESULTS

Project:

2H/4H

Pace Project No.: 3027140

Sample: 2H/4H-11 (ASTM)	Lab ID: 302	7140010	Collected.	05/04/1	0 14:30	Received 05	5/05/10 13:40	Matrix: Water	
Parameters	Results	Units	Repor	t Limit	DF	Prepared	Analyzed	CAS No.	Qual
5540C MBAS Surfactants	Analytical Met	hod: SM 554	0C						
Surfactants	ND m		0.10	1		05/07/10 15:0	11		
4500 Chloride	Analytical Met	hod: SM 450	0-CI-E						
Chloride	3.2 m	g/L		30	1		05/08/10 11:2	5 16887-00-6	

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REPORT OF LABORATORY ANALYSIS

Page 30 of 96

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CABOT-EPA 006416



ANALYTICAL RESULTS

Project: 2H/4H Pace Project No.: 3027140

Sample: 2H/4H-10 Lab ID: 3027140011 Collected: 05/04/10 14.45 Received: 05/05/10 13:40 Matrix Solid

Results reported on a "dry-weigl	nt" basis							
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Meth	od. EPA 6010B	Preparation Me	ethod: E	EPA 3050			
Aluminum	9440 mg	ı/kg	6.4	1	05/06/10 19:05	05/07/10 14.06	7429-90-5	
Antimony	0.86 mg	ı/kg	0.32	1	05/06/10 19.05	05/07/10 14:06	7440-36-0	
Arsenic	5.6 mg	_	0.32	1	05/06/10 19:05	05/07/10 14:06	7440-38-2	
Barium	3350 mg	. •	12.7	10		05/10/10 10:29		
Beryllium	0.46 mg	•	0.13	1		05/07/10 14.06		
Boron	3.7 mg	•	3.2	1		05/07/10 14:06		
Cadmium	ND mg		0.13	1		05/07/10 14:06		
Calcium	1640 mg		127	1		05/07/10 14:06		
Chromium	13.1 mg	. •	0.32	1		05/07/10 14:06		
Cobalt	11.3 mg	_	0.52	1		05/07/10 14:06		
Copper	10.3 mg	_	0.64	1		05/07/10 14:06		
• •		•	6.4					
Iron Lead	19300 mg		0.32	1 1		05/07/10 14:06		
	14.4 mg	, ,				05/07/10 14:06		
Magnesium	3980 mg		31.8	1		05/07/10 14:06		
Manganese	191 mg		0.64	1		05/07/10 14:06		
Molybdenum	1.7 mg	, ,	1.3	1		05/07/10 14:06		
Nickel	18.5 mg		1.3	1		05/07/10 14:06		
Potassium	1360 mg	g/kg	31.8	1		05/07/10 14.06		
Selenium	ND mo	g/kg	0 32	1	05/06/10 19.05	05/07/10 14:06	7782-49-2	
Silver	ND mg	g/kg	0.13	1	05/06/10 19:05	05/07/10 14:06	7440-22-4	
Sodium	ND mg	g/kg	318	1	05/06/10 19.05	05/07/10 14:06	7440-23-5	
Thallium	ND mg	g/kg	1.3	1	05/06/10 19:05	05/07/10 14:06	7440-28-0	
Vanadium	11.3 mg	g/kg	0 64	1	05/06/10 19 05	05/07/10 14.06	7440-62-2	
Zinc	49.8 mg	g/kg	0.64	1	05/06/10 19.05	05/07/10 14:06	7440-66-6	
7471 Mercury	Analytical Met	nod. EPA 7471	Preparation Met	thod: El	PA 7471			
Mercury	ND mg	g/kg	0.12	1	05/07/10 12:10	05/10/10 09:36	7439-97-6	
8270 MSSV FULL LIST MICROWAVE	Analytical Meth	nod: EPA 8270	Preparation Met	thod: El	PA 3546			
Acenaphthene	ND ug	/kg	389	1	05/06/10 16·43	05/11/10 12 06	83-32-9	
Acenaphthylene	ND ug	/kg	389	1	05/06/10 16:43	05/11/10 12:06	208-96-8	
Anthracene	ND ug	•	389	1	05/06/10 16:43	05/11/10 12:06	120-12-7	
Azobenzene	ND ug	-	389			05/11/10 12.06		
Benzo(a)anthracene	ND ug	_	389			05/11/10 12:06		
Benzo(a)pyrene	ND ug	-	389			05/11/10 12:00		
Benzo(b)fluoranthene	ND ug	-	389			05/11/10 12:06	-	
Benzo(g,h,i)perylene	ND ug	•	389			05/11/10 12:06		
	_	_	389					
Benzo(k)fluoranthene	ND ug	•	389 972			05/11/10 12:06		
Benzoic acid	ND ug	_				05/11/10 12:06		
Benzyl alcohol	ND ug	_	389			05/11/10 12:06		
4-Bromophenylphenyl ether	ND ug		389			05/11/10 12 06		
Butylbenzylphthalate	ND ug	•	389			05/11/10 12.06		
Carbazole	ND ug	-	389			05/11/10 12:06		
4-Chloro-3-methylphenoi	ND ug	-	389			05/11/10 12 06		
4-Chloroaniline	ND ug	ı/kg	389	1	05/06/10 16:43	05/11/10 12:06	106-47-8	
•	_	-	389					

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REPORT OF LABORATORY ANALYSIS

Page 31 of 96

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CABOT-EPA 006417



ANALYTICAL RESULTS

Project:
Pace Project No: 3027140

2H/4H

Sample: 2H/4H-10 Lab ID: 3027140011 Collected: 05/04/10 14:45 Received. 05/05/10 13:40 Matrix: Solid

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qua
8270 MSSV FULL LIST MICROWAVE	Analytical Metho	d. EPA 827	0 Preparation Met	nod EP	'A 3546			
bis(2-Chloroethoxy)methane	ND ug/k	g	389	1	05/06/10 16:43	05/11/10 12:06	111-91-1	
bis(2-Chloroethyl) ether	ND ug/k	g	389	1	05/06/10 16:43	05/11/10 12:06	111-44-4	
bis(2-Chloroisopropyl) ether	ND ug/k	g	389	1	05/06/10 16:43	05/11/10 12:06	108-60-1	
2-Chloronaphthalene	ND ug/k	g	389	1		05/11/10 12:06		
2-Chlorophenal	ND ug/k	g	389	1		05/11/10 12:06		
4-Chlorophenylphenyl ether	ND ug/k	g	389	1		05/11/10 12:06		
Chrysene	ND ug/k	g	389	1		05/11/10 12:06		
Dibenz(a,h)anthracene	ND ug/k	g	389	1	05/06/10 16:43	05/11/10 12:06	53-70-3	
Dibenzofuran	ND ug/k	g	389	1		05/11/10 12.06		
1,2-Dichlorobenzene	ND ug/k	-	389	1		05/11/10 12.06		
1,3-Dichlorobenzene	ND ug/k	-	389	1		05/11/10 12:06		
1,4-Dichlorobenzene	ND ug/k	-	389	1		05/11/10 12:06		
3,3'-Dichlorobenzidine	ND ug/k	-	389	1		05/11/10 12:06		
2,4-Dichlorophenol	ND ug/k	_	389	1		05/11/10 12:06		
Diethylphthalate	ND ug/k	•	389	1		05/11/10 12:06		
2,4-Dimethylphenol	ND ug/k	•	389	1		05/11/10 12:06		
Dimethylphthalate	ND ug/k	•	389	1		05/11/10 12:06		
Di-n-butylphthalate	ND ug/k	-	389	1		05/11/10 12:00		
1,6-Dinitro-2-methylphenol	ND ug/k	•	972	1		05/11/10 12:00		
2,4-Dinitrophenol	ND ug/k	-	972	1		05/11/10 12:00		
2,4-Dinitrotoluene	ND ug/k	-	389	1		05/11/10 12:00		
2,6-Dinitrotoluene	ND ug/k	•	389	1		05/11/10 12:00		
Di-n-octylphthalate	ND ug/k	-	389	1		05/11/10 12:00		
os(2-Ethylhexyl)phthalate	ND ug/k	-	389	1		05/11/10 12:06		
Fluoranthene	ND ug/k	_	389	1		05/11/10 12:06		
Fluorene	ND ug/k	-	389	1		05/11/10 12:06		
Hexachloro-1,3-butadiene	ND ug/k	-	389	1		05/11/10 12:06		
Hexachlorobenzene	ND ug/k	-	389	1		05/11/10 12:06		
Hexachlorocyclopentadiene	ND ug/k	-	389	1				
Hexachloroethane	ND ug/k	-	389	1		05/11/10 12:06		
ndeno(1,2,3-cd)pyrene	ND ug/k	•	389	1		05/11/10 12:06		
sophorone		-	389	1		05/11/10 12:06		
I-Methylnaphthalene	ND ug/k	-				05/11/10 12:06		
2-Methylnaphthalene	ND ug/k	~	389	1		05/11/10 12 06		
?-Methylphenol(o-Cresol)	ND ug/k	-	389	1		05/11/10 12.06		
3&4-Methylphenol(m&p Cresol)	ND ug/k	_	389	1		05/11/10 12 06	95-48-7	
• • • • • •	ND ug/k	-	777	1	05/06/10 16.43			
Naphthalene R Nitroanilino	ND ug/k	-	389	1		05/11/10 12 06		
2-Nitroaniline	ND ug/k	•	972	1		05/11/10 12.06		
3-Nitroaniline	ND ug/k	-	972	1		05/11/10 12.06		
I-Nitroaniline	ND ug/k	-	972	1		05/11/10 12:06		
Nitrobenzene	ND ug/k	-	389	1		05/11/10 12.06		
2-Nitrophenol	ND ug/k	-	389	1		05/11/10 12:06		
I-Nitrophenol	ND ug/k	•	389	1		05/11/10 12:06		
N-Nitrosodimethylamine	ND ug/k	g	389	1	05/06/10 16.43	05/11/10 12:06	62-75-9	

Date: 06/16/2010 08:32 AM

N-Nitroso-di-n-propylamine

REPORT OF LABORATORY ANALYSIS

389

ND ug/kg

Page 32 of 96

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CABOT-EPA 006418

05/06/10 16:43 05/11/10 12:06 621-64-7



ANALYTICAL RESULTS

Project. 2H/4H
Pace Project No.: 3027140

Sample: 2H/4H-10 Lab ID: 3027140011 Collected 05/04/10 14:45 Received: 05/05/10 13:40 Matrix. Solid

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qua
8270 MSSV FULL LIST	Analytical Me	thod: EPA 827	0 Preparation Met	nod: EF	PA 3546			
MICROWAVE								
N-Nitrosodiphenylamine	ND u	g/kg	389	1	05/06/10 16.43	05/11/10 12:06	86-30-6	
Pentachlorophenol	ND u	g/kg	972	1	05/06/10 16:43	05/11/10 12.06	87-86-5	
Phenanthrene	ND u	g/kg	389	1	05/06/10 16.43	05/11/10 12:06	85-01-8	
Phenol	ND u	g/kg	389	1	05/06/10 16:43	05/11/10 12 06	108-95-2	
Pyrene	ND u	g/kg	389	1	05/06/10 16.43	05/11/10 12:06	129-00-0	
1,2,4-Trichlorobenzene	ND u	g/kg	389	1	05/06/10 16:43	05/11/10 12 06	120-82-1	
2,4,5-Trichlorophenol	ND u	g/kg	972	1	05/06/10 16.43	05/11/10 12:06	95-95-4	
2,4,6-Trichlorophenol	ND u	g/kg	389	1	05/06/10 16:43	05/11/10 12 06	88-06 - 2	
Nitrobenzene-d5 (S)	110 %	,	35-114	1	05/06/10 16 43	05/11/10 12:06	4165-60-0	
2-Fluorobiphenyl (S)	130 %	6	43-116	1	05/06/10 16:43	05/11/10 12 06	321-60-8	S3
Terphenyl-d14 (S)	150 %	,	33-141	1	05/06/10 16:43	05/11/10 12:06	1718-51-0	S3
Phenol-d6 (S)	138 %		10-110	1		05/11/10 12 06	13127-88-3	S3
2-Fluorophenol (S)	137 %		21-110	1		05/11/10 12:06		S3
2,4,6-Tribromophenol (S)	119 %		10-123	1		05/11/10 12.06		
8260 MSV 5030 Low Level	Analytical Me	thod: EPA 826	60					
Acetone	83.1 u	a/ka	11.4	1		05/06/10 17.06	67-64-1	
Benzene	ND u		5.7	1		05/06/10 17:06		
Bromochloromethane	ND u		5.7	1		05/06/10 17:06		
Bromodichloromethane	ND u		5.7	1		05/06/10 17:06		
Bromoform			5.7 5.7	1		05/06/10 17:06		
Bromomethane	ND u			1				
	ND u		5.7 34.1	1		05/06/10 17.06	74-63-9	
TOTAL BTEX	ND u		34. i 11.4	1		05/06/10 17:06	70.00.0	
2-Butanone (MEK)	16.1 u					05/06/10 17:06		
n-Butylbenzene	ND u		5.7	1		05/06/10 17:06		
sec-Butylbenzene	ND u		5.7	1		05/06/10 17:06		
Carbon disulfide	17.5 u		5.7	1		05/06/10 17.06		
Carbon tetrachloride	ND u		57	1		05/06/10 17:06		
Chlorobenzene	ND u		5.7	1		05/06/10 17:06		
Chloroethane	ND u		5.7	1		05/06/10 17:06		
Chloroform	ND u		5.7	1		05/06/10 17:06		
Chloromethane	ND u		5.7	1		05/06/10 17:06		
Dibromochloromethane	ND u		5.7	1		05/06/10 17:06		
1,2-Dichlorobenzene	ND u		5.7	1		05/06/10 17:06		
1,3-Dichlorobenzene	ND u		5.7	1		05/06/10 17:06		
1,4-Dichlorobenzene	ND u		5.7	1		05/06/10 17:06		
1,1-Dichloroethane	ND u		5.7	1		05/06/10 17:06		
1,2-Dichloroethane	ND u		5.7	1		05/06/10 17:06		
1,2-Dichloroethene (Total)	ND u		11.4	1		05/06/10 17.06		
1,1-Dichloroethene	ND u	ıg/kg	5.7	1		05/06/10 17:06	75-35-4	
cis-1,2-Dichloroethene	ND u	ıg/kg	5.7	1		05/06/10 17:06	156-59-2	
trans-1,2-Dichloroethene	ND u	ıg/kg	5.7	1		05/06/10 17:06	156-60-5	
1,2-Dichloropropane	ND u	ıg/kg	5.7	1		05/06/10 17:06	78- 8 7-5	
cis-1,3-Dichloropropene	ND L	ıg/kg	5.7	1		05/06/10 17 06	10061-01-5	
trans-1,3-Dichloropropene	ND u	ıg/kg	5.7	1		05/06/10 17:06	10061-02-6	

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REPORT OF LABORATORY ANALYSIS

Page 33 of 96

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CABOT-EPA 006419



ANALYTICAL RESULTS

Project:

2H/4H

Pace Project No.: 3027140

Sample: 2H/4H-10	Lab ID: 3027140011	Collected: 05/04/1	0 14:45	Received: 05	5/05/10 13:40 N	latrix: Solid	
Results reported on a "dry-weight	t" basis						
Parameters	Results Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5030 Low Level	Analytical Method: EPA 826	30					
Ethylbenzene	ND ug/kg	5.7	1		05/06/10 17.06	100-41-4	
2-Hexanone	ND ug/kg	11.4	1		05/06/10 17.06	591-78-6	
Isopropylbenzene (Cumene)	ND ug/kg	5.7	1		05/06/10 17.06	98-82-8	
p-Isopropyltoluene	ND ug/kg	5.7	1		05/06/10 17.06	99-87-6	
Methylene Chloride	ND ug/kg	5.7	1		05/06/10 17.06	75 -09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/kg	11.4	1		05/06/10 17.06	108-10-1	
Methyl-tert-butyl ether	ND ug/kg	5.7	1		05/06/10 17.06	1634-04-4	
Naphthalene	10.2 ug/kg	5.7	1		05/06/10 17.06	91-20-3	
n-Propylbenzene	ND ug/kg	5.7	1		05/06/10 17.06	103-65-1	
Styrene	ND ug/kg	5.7	1		05/06/10 17.06	100-42-5	
1,1,2,2-Tetrachloroethane	ND ug/kg	5.7	1		05/06/10 17:06	79-34-5	
Tetrachloroethene	N D ug/kg	5.7	1		05/06/10 17:06	127-18-4	
Toluene	5.7 ug/kg	5.7	1		05/06/10 17.06	108-88-3	
1,2,4-Trichlorobenzene	ND ug/kg	5.7	1		05/06/10 17.06	120-82-1	
1,1,1-Trichloroethane	ND ug/kg	57	1		05/06/10 17.06	71-55-6	
1,1,2-Trichloroethane	ND ug/kg	57	1		05/06/10 17:06	79-00-5	
Trichloroethene	ND ug/kg	5.7	1		05/06/10 17:06	79-01-6	
1,2,4-Trimethylbenzene	29.0 ug/kg	5.7	1		05/06/10 17:06	95-63-6	
1,3,5-Trimethylbenzene	10.2 ug/kg	57	1		05/06/10 17:06	108-67-8	
Vinyl chloride	ND ug/kg	57	1		05/06/10 17:06	75-01-4	
Xylene (Total)	19.9 ug/kg	17 0	1		05/06/10 17:06	1330-20-7	
m&p-Xylene	13.5 ug/kg	11 4	1		05/06/10 17:06	179601-23-1	
o-Xylene	6.4 ug/kg	57	1		05/06/10 17:06	95-47-6	
Toluene-d8 (S)	96 %	70-130	1		05/06/10 17:06	2037-26-5	
4-Bromofluorobenzene (S)	111 %	70-130	1		05/06/10 17:06	460-00-4	
1,2-Dichloroethane-d4 (S)	115 %	70-130	1		05/06/10 17:06	17060-07-0	
Percent Moisture	Analytical Method: ASTM I	D2974-87					
Percent Moisture	16.3 %	0.10	1		05/05/10 20·54		
350.1 Ammonia	Analytical Method: EPA 35	0.1					
Nitrogen, Ammonia	25.1 mg/kg	5.7	1		05/08/10 15.59	7664-41-7	

Date: 06/16/2010 08:32 AM

REPORT OF LABORATORY ANALYSIS

Page 34 of 96

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CABOT-EPA 006420



ANALYTICAL RESULTS

Project:

2H/4H

Pace Project No: 3027140

Sample: 2H/4H-10 (ASTM)	Lab ID: 302	27140012	Collected. 05/04/	10 14.45	Received: 0	5/05/10 13 40 N	/latrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
5540C MBAS Surfactants	Analytical Me	thod. SM 55	40C					
Surfactants	ND m	0.10	1		05/07/10 15.01			
4500 Chloride	Analytical Me	thod: SM 45	00-CI-E					
Chloride	ND m	ng/L	30	1		05/08/10 11.25	16887-00-6	

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REPORT OF LABORATORY ANALYSIS

Page 35 of 96

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CABOT-EPA 006421



ANALYTICAL RESULTS

Project. 2H/4H
Pace Project No: 3027140

Sample: 2H/4H-4		3027140013	Collected.	05/04/1	10 15:00	Received 05	/05/10 13 40	Matrix: Solid	
Results reported on a "dry-weig									
Parameters	Results	Units	Repo	rt Limit	DF	Prepared	Analyzed	CAS No	Qua
6010 MET ICP	Analytical N	flethod. EPA 60	010B Prepa	ration Me	ethod: EF	PA 3050			
Aluminum	8830	mg/kg		6.4	1	05/06/10 19:05	05/07/10 14:0	9 7429-90-5	
Antimony	0.65	mg/kg		0.32	1	05/06/10 19:05	05/07/10 14:0	9 7440-36-0	
Arsenic	1.7	mg/kg		0.32	1	05/06/10 19:05	05/07/10 14.0	9 7440-38-2	
Barium	317	mg/kg		1.3	1	05/06/10 19:05	05/07/10 14:0	9 7440-39-3	
Beryllium	0.75	mg/kg		0.13	1	05/06/10 19:05	05/07/10 14:0	9 7440-41-7	
Boron	4.6	mg/kg		3.2	1	05/06/10 19:05	05/07/10 14:0	9 7440-42-8	
Cadmium	ND	mg/kg		0.13	1	05/06/10 19:05	05/07/10 14:0	9 7440-43-9	
Calcium	1260	mg/kg		128	1	05/06/10 19.05	05/07/10 14.0	9 7440-70-2	
Chromium		mg/kg		0.32	1	05/06/10 19 05	05/07/10 14:0	9 7440-47-3	
Cobalt	9.2	mg/kg		0.64	1	05/06/10 19.05	05/07/10 14.0	9 7440-48-4	
Copper		mg/kg		0.64	1	05/06/10 19:05	05/07/10 14:0	9 7440-50-8	
Iron		mg/kg		6.4	1	05/06/10 19:05	05/07/10 14:0	9 7439-89-6	
Lead	1.8	mg/kg		0.32	1	05/06/10 19.05	05/07/10 14:0	9 7439-92-1	
Magnesium		mg/kg		31.9	1	05/06/10 19.05			
Manganese		mg/kg		0.64	1	05/06/10 19.05			
Molybdenum		mg/kg		1.3	1	05/06/10 19.05	05/07/10 14:0	9 7439-98-7	
Nickel		mg/kg		1.3	1	05/06/10 19 05			
Potassium		mg/kg		31.9	1	05/06/10 19:05			
Selenium		mg/kg		0.32	1	05/06/10 19.05			
Silver		mg/kg		0.13	1	05/06/10 19.05			
Sodium		mg/kg		319	1	05/06/10 19:05			
Thallium		mg/kg		1.3	1	05/06/10 19:05			
Vanadium		mg/kg		0.64	1	05/06/10 19:05			
Zinc		mg/kg		0.64	1	05/06/10 19:05			
7471 Mercury		Method: EPA 7	471 Prepara		hod: EP/				
Mercury	•	mg/kg		0 11	1	05/07/10 12:10	05/10/10 09 4	1 7439-97-6	
•		0 0	070 D		·				
8270 MSSV FULL LIST MICROWAVE	Analytical i	Method: EPA 8	270 Prepara	ation iviet	nod EP	4 3546			
Acenaphthene	NE	ug/kg		360	1	05/06/10 16:43	05/11/10 12:2	8 83-32-9	
Acenaphthylene	ND	ug/kg		360	1	05/06/10 16:43	05/11/10 12:2	8 208-96-8	
Anthracene	ND	ug/kg		360	1	05/06/10 16:43	05/11/10 12:2	8 120-12-7	
Azobenzene	ND	ug/kg		360	. 1	05/06/10 16:43	05/11/10 12:2	8 103-33-3	
Benzo(a)anthracene		ug/kg		360	1	05/06/10 16:43	05/11/10 12:2	8 56-55-3	
Benzo(a)pyrene		ug/kg		360	1	05/06/10 16:43			
Benzo(b)fluoranthene		ug/kg		360	1	05/06/10 16:43			
Benzo(g,h,i)perylene		ug/kg		360	1	05/06/10 16:43			
Benzo(k)fluoranthene		ug/kg		360	1	05/06/10 16:43			
Benzoic acid		ug/kg		901	1	05/06/10 16:43			
		ug/kg		360	1	05/06/10 16:43			
Benzyl alcohol		ug/kg		360	1	05/06/10 16:43			
•	NI					20.00, 10 10.70	30. 1.1. 10 12.2		
4-Bromophenylphenyl ether				360	1	05/06/10 16:43	05/11/10 12:2	8 85-68-7	
4-Bromophenylphenyl ether Butylbenzylphthalate	NE	ug/kg		360 360	1	05/06/10 16:43			
Benzyl alcohol 4-Bromophenylphenyl ether Butylbenzylphthalate Carbazole 4-Chloro-3-methylphenol	NC NC			360 360 360	1 1 1	05/06/10 16:43 05/06/10 16:43 05/06/10 16:43	05/11/10 12:2	8 86-74-8	

Date: 06/16/2010 08:32 AM REPORT OF LABORATORY ANALYSIS

Page 36 of 96

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CABOT-EPA 006422



ANALYTICAL RESULTS

Project: 2H/4H Pace Project No.: 3027140

Sample: 2H/4H-4 Lab ID: 3027140013 Collected 05/04/10 15:00 Received. 05/05/10 13:40 Matrix: Solid Results reported on a "dry-weight" basis **Parameters** Results Units DE Report Limit Prepared Analyzed CAS No. Qual 8270 MSSV FULL LIST Analytical Method: EPA 8270 Preparation Method: EPA 3546 MICROWAVE bis(2-Chloroethoxy)methane ND ug/kg 05/06/10 16:43 05/11/10 12:28 111-91-1 360 bis(2-Chloroethyl) ether ND ug/kg 360 05/06/10 16:43 05/11/10 12:28 bis(2-Chloroisopropyl) ether ND ug/kg 360 05/06/10 16.43 05/11/10 12 28 1 108-60-1 2-Chloronaphthalene ND ug/kg 360 05/06/10 16:43 05/11/10 12:28 91-58-7 2-Chlorophenol ND ug/kg 360 05/06/10 16:43 05/11/10 12.28 95-57-8 1 4-Chlorophenylphenyl ether ND ug/kg 360 05/06/10 16:43 05/11/10 12:28 7005-72-3 Chrysene ND ug/kg 360 05/06/10 16:43 05/11/10 12:28 218-01-9 Dibenz(a,h)anthracene ND ug/kg 360 05/06/10 16:43 05/11/10 12.28 53-70-3 Dibenzofuran ND ug/kg 360 05/06/10 16:43 05/11/10 12:28 132-64-9 1.2-Dichlorobenzene ND ug/kg 360 05/06/10 16 43 05/11/10 12.28 1,3-Dichlorobenzene ND ug/kg 360 05/06/10 16:43 05/11/10 12:28 541-73-1 1,4-Dichlorobenzene ND ug/kg 360 05/06/10 16:43 05/11/10 12:28 106-46-7 3,3'-Dichlorobenzidine ND ug/kg 360 05/06/10 16:43 05/11/10 12:28 91-94-1 1 2,4-Dichlorophenol ND ug/kg 360 05/06/10 16:43 05/11/10 12:28 Diethylphthalate ND ug/kg 360 05/06/10 16.43 05/11/10 12:28 84-66-2 2,4-Dimethylphenol ND ug/kg 360 05/06/10 16:43 05/11/10 12:28 105-67-9 Dimethylphthalate ND ug/kg 360 05/06/10 16.43 05/11/10 12 28 131-11-3 Di-n-butylphthalate ND ug/kg 360 05/06/10 16:43 05/11/10 12:28 84-74-2 4,6-Dinitro-2-methylphenol ND ug/kg 901 05/06/10 16:43 05/11/10 12 28 534-52-1 2.4-Dinitrophenol ND ug/kg 901 05/06/10 16.43 05/11/10 12:28 51-28-5 2.4-Dinitrotoluene ND ug/kg 360 05/06/10 16:43 05/11/10 12:28 121-14-2 2,6-Dinitrotoluene ND ug/kg 360 05/06/10 16:43 05/11/10 12:28 606-20-2 Di-n-octylphthalate ND ug/kg 360 05/06/10 16:43 05/11/10 12:28 117-84-0 bis(2-Ethylhexyl)phthalate ND ug/kg 360 05/06/10 16 43 05/11/10 12 28 117-81-7 Fluoranthene ND ug/kg 360 05/06/10 16:43 05/11/10 12:28 206-44-0 Fluorene ND ug/kg 360 05/06/10 16:43 05/11/10 12:28 86-73-7 Hexachloro-1,3-butadiene ND ug/kg 360 05/06/10 16:43 05/11/10 12:28 87-68-3 Hexachlorobenzene ND ug/kg 360 1 05/06/10 16.43 05/11/10 12:28 118-74-1 Hexachlorocyclopentadiene ND ug/kg 360 05/06/10 16:43 05/11/10 12:28 77-47-4 Hexachloroethane ND ug/kg 360 05/06/10 16.43 05/11/10 12:28 67-72-1 Indeno(1,2,3-cd)pyrene ND ug/kg 360 05/06/10 16:43 05/11/10 12:28 193-39-5 Isophorone ND ug/kg 360 1 05/06/10 16:43 05/11/10 12:28 78-59-1 1-Methylnaphthalene ND ug/kg 360 05/06/10 16:43 05/11/10 12:28 90-12-0 2-Methylnaphthalene ND ug/kg 360 05/06/10 16:43 05/11/10 12:28 91-57-6 2-Methylphenol(o-Cresol) ND ug/kg 360 05/06/10 16.43 05/11/10 12 28 95-48-7 3&4-Methylphenol(m&p Cresol) ND ug/kg 720 1 05/06/10 16.43 05/11/10 12:28 Naphthalene ND ug/kg 360 05/06/10 16:43 05/11/10 12:28 91-20-3 2-Nitroaniline ND ug/kg 901 05/06/10 16:43 05/11/10 12:28 88-74-4 3-Nitroaniline ND ug/kg 901 05/06/10 16:43 05/11/10 12:28 99-09-2 4-Nitroaniline ND ug/kg 901 05/06/10 16:43 05/11/10 12:28 100-01-6 1 Nitrobenzene ND ug/kg 360 05/06/10 16:43 05/11/10 12:28 98-95-3 2-Nitrophenol ND ug/kg 360 05/06/10 16.43 05/11/10 12:28 88-75-5 4-Nitrophenol

N-Nitroso-di-n-propylamine Date. 06/16/2010 08:32 AM

N-Nitrosodimethylamine

REPORT OF LABORATORY ANALYSIS

360

360

360

1

Page 37 of 96

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ND ug/kg

ND ug/kg

ND ug/kg



CABOT-EPA 006423

05/06/10 16:43 05/11/10 12:28 100-02-7

05/06/10 16:43 05/11/10 12:28 62-75-9

05/06/10 16.43 05/11/10 12:28 621-64-7



ANALYTICAL RESULTS

2H/4H Project: Pace Project No: 3027140

Sample: 2H/4H-4 Lab ID: 3027140013 Collected 05/04/10 15.00 Received 05/05/10 13:40 Matrix: Solid

Poculto	ranamad	~~ ~	"dry-weight"	hacic
Results	renomen	on a	arv-weiant	nasis

Parameters	Results	Units Report Limit	DF	Prepared	Analyzed	CAS No.	Qu
270 MSSV FULL LIST MICROWAVE	Analytical Method	EPA 8270 Preparation Meth	od: EP	A 3546			
N-Nitrosodiphenylamine	ND ug/kg	360	1	05/06/10 16:43	05/11/10 12:28	86-30-6	
Pentachlorophenol	ND ug/kg	901	1	05/06/10 16:43	05/11/10 12:28	87-86-5	
henanthrene	ND ug/kg	360	1	05/06/10 16:43	05/11/10 12:28	85-01-8	
Phenol	ND ug/kg	360	1	05/06/10 16:43	05/11/10 12:28	108-95-2	
Pyrene	ND ug/kg	360	1	05/06/10 16:43	05/11/10 12:28	129-00-0	
1,2,4-Trichlorobenzene	ND ug/kg	360	1		05/11/10 12:28		
2,4,5-Trichlorophenol	ND ug/kg	901	1		05/11/10 12:28		
2,4,6-Trichlorophenol	ND ug/kg	360	1		05/11/10 12:28		
Nitrobenzene-d5 (S)	62 %	35-114	1		05/11/10 12:28		
2-Fluorobiphenyl (S)	91 %	43-116	1		05/11/10 12:28		
Terphenyl-d14 (S)	109 %	33-141	1		05/11/10 12:28		
Phenol-d6 (S)	65 %	10-110	1		05/11/10 12:28		
2-Fluorophenol (S)	82 %	21-110	1		05/11/10 12:28		
2,4,6-Tribromophenol (S)	87 %	10-123	1		05/11/10 12:28		
, , ,			'	03/00/10 10.43	03/11/10 12.20	110-79-0	
260 MSV 5030 Low Level	Analytical Method:						
Acetone	28.0 ug/kg	93	1		05/06/10 17:30		
Benzene	ND ug/kg	4.6	1		05/06/10 17:30		
Bromochloromethane	ND ug/kg	4.6	1		05/06/10 17:30	74-97-5	
Bromodichloromethane	ND ug/kg	4 6	1		05/06/10 17.30	75-27-4	
Bromoform	ND ug/kg	4.6	1		05/06/10 17:30	75-25-2	
Bromomethane	ND ug/kg	4 6	1		05/06/10 17:30	74-83-9	
TOTAL BTEX	ND ug/kg	27.8	1		05/06/10 17.30		
2-Butanone (MEK)	ND ug/kg	9.3	1		05/06/10 17.30	78-93 -3	
n-Butylbenzene	ND ug/kg	4.6	1		05/06/10 17:30	104-51-8	
sec-Butylbenzene	ND ug/kg	4.6	1		05/06/10 17:30	135-98-8	
Carbon disulfide	ND ug/kg	4 6	1		05/06/10 17.30	75- 15 -0	
Carbon tetrachloride	ND ug/kg	4 6	1		05/06/10 17:30	56-23-5	
Chlorobenzene	ND ug/kg	4.6	1		05/06/10 17:30	108-90-7	
Chloroethane	ND ug/kg	46	1		05/06/10 17.30	75-00-3	
Chloroform	ND ug/kg	4.6	1		05/06/10 17.30	67-66-3	
Chloromethane	ND ug/kg	4.6	1		05/06/10 17.30	74-87-3	
Dibromochloromethane	ND ug/kg	4.6	1		05/06/10 17:30		
I.2-Dichlorobenzene	ND ug/kg	4.6	1		05/06/10 17.30		
1.3-Dichlorobenzene	ND ug/kg	4.6	1		05/06/10 17.30		
I,4-Dichlorobenzene	ND ug/kg	4.6	1		05/06/10 17:30		
1,1-Dichloroethane	ND ug/kg	4.6	1		05/06/10 17:30		
1,2-Dichloroethane	ND ug/kg	4.6	1		05/06/10 17:30		
1,2-Dichloroethene (Total)	ND ug/kg	9.3	1		05/06/10 17:30		
1,1-Dichloroethene	ND ug/kg	4.6	1		05/06/10 17:30		
•		4.6	1		05/06/10 17:30		
cis-1,2-Dichloroethene	ND ug/kg		1				
trans-1,2-Dichloroethene	ND ug/kg	4.6			05/06/10 17:30		
1,2-Dichloropropane	ND ug/kg	4 6	1		05/06/10 17:30 05/06/10 17:30		
cis-1,3-Dichloropropene	ND ug/kg	46	1				

Date. 06/16/2010 08.32 AM

REPORT OF LABORATORY ANALYSIS

Page 38 of 96

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CABOT-EPA 006424



ANALYTICAL RESULTS

Project:

2H/4H

Pace Project No.: 3027140

Sample: 2H/4H-4 Lab ID: 3027140013 Collected: 05/04/10 15.00 Received, 05/05/10 13.40 Matrix: Solid Results reported on a "dry-weight" basis Report Limit DF Analyzed CAS No. Qual **Parameters** Results Units Prepared 8260 MSV 5030 Low Level Analytical Method: EPA 8260 05/06/10 17:30 100-41-4 Ethylbenzene ND ug/kg 4.6 1 05/06/10 17:30 591-78-6 ND ug/kg 93 2-Hexanone 1 05/06/10 17:30 98-82-8 Isopropylbenzene (Cumene) ND ug/kg 4.6 1 05/06/10 17:30 99-87-6 p-Isopropyltoluene ND ug/kg 46 1 05/06/10 17:30 75-09-2 Methylene Chloride ND ug/kg 4.6 4-Methyl-2-pentanone (MIBK) 05/06/10 17:30 108-10-1 ND ug/kg 9.3 1 05/06/10 17:30 1634-04-4 Methyl-tert-butyl ether ND ug/kg 05/06/10 17:30 91-20-3 4.6 Naphthalene ND ug/kg ND ug/kg 4.6 05/06/10 17:30 103-65-1 n-Propylbenzene ND ug/kg 4.6 05/06/10 17:30 100-42-5 Styrene 1,1,2,2-Tetrachloroethane ND ug/kg 4.6 05/06/10 17:30 79-34-5 05/06/10 17:30 127-18-4 Tetrachloroethene ND ug/kg 4.6 1 Toluene ND ug/kg 46 05/06/10 17:30 108-88-3 ND ug/kg 05/06/10 17.30 120-82-1 1.2.4-Trichlorobenzene 4.6 1,1,1-Trichloroethane ND ug/kg 46 05/06/10 17:30 71-55-6 05/06/10 17.30 79-00-5 1,1,2-Trichloroethane ND ug/kg 4.6 1 Trichloroethene ND ug/kg 4.6 05/06/10 17:30 79-01-6 1,2,4-Trimethylbenzene ND ug/kg 05/06/10 17.30 95-63-6 4.6 1 1,3,5-Trimethylbenzene ND ug/kg 4.6 05/06/10 17:30 108-67-8 46 05/06/10 17:30 75-01-4 Vinyl chloride ND ug/kg Xylene (Total) ND ug/kg 13.9 05/06/10 17:30 1330-20-7 ND ug/kg 9.3 05/06/10 17:30 179601-23-1 m&p-Xylene o-Xylene ND ug/kg 4.6 05/06/10 17:30 95-47-6 88 % 70-130 05/06/10 17:30 2037-26-5 Toluene-d8 (S) 1 4-Bromofluorobenzene (S) 96 % 70-130 05/06/10 17:30 460-00-4 05/06/10 17:30 17060-07-0 112 % 70-130 1,2-Dichloroethane-d4 (S) **Percent Moisture** Analytical Method: ASTM D2974-87 Percent Moisture 9.9 % 0 10 05/06/10 17:26 1 350.1 Ammonia Analytical Method: EPA 350.1

Date: 06/16/2010 08.32 AM

Nitrogen, Ammonia

REPORT OF LABORATORY ANALYSIS

5.3

8.0 mg/kg

Page 39 of 96

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CABOT-EPA 006425

05/08/10 16:00 7664-41-7



ANALYTICAL RESULTS

Project 2H/4H

Pace Project No.: 3027140

Sample: 2H/4H-4(ASTM)	Lab ID: 30271400	014 Collected: 05/04/1	0 15:00	Received 05	/05/10 13·40 N	/latrix: Water	
Parameters	Results U	nits Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
5540C MBAS Surfactants	Analytical Method: S	SM 5540C					
Surfactants	ND mg/L	0 10	1		05/07/10 15:01		
4500 Chloride	Analytical Method: S	SM 4500-CI-E					
Chloride	ND mg/L	3.0	1		05/08/10 11:26	16887-00-6	

Date: 06/16/2010 08:32 AM

REPORT OF LABORATORY ANALYSIS

Page 40 of 96



CABOT-EPA 006426



ANALYTICAL RESULTS

Project:

2H/4H

Pace Project No: 3027140

Sample: 2H/4H-5	Lab ID: 302	7140015	Collected:	05/04/1	0 15·10	Received. 05	5/05/10 13.40	Matrix Solid	
Results reported on a "dry-weig. Parameters	ht" basis Results	Units	Repor	t Limit	DF	Prepared	Analyzed	CAS No.	Qu
6010 MET ICP	Analytical Met	hod: EPA 6	010B Prepai	ration Me	thod: EF	PA 3050			
Aluminum	9670 m	a/ka	•	6.1	1	05/06/10 19:05	05/07/10 14:2	6 7429-90-5	
Antimony	0.43 m			0.30	1	05/06/10 19 05			
Arsenic	1.1 m			0.30	1	05/06/10 19:05			
Barium	403 m			1.2	1	05/06/10 19:05			
Beryllium	0.68 m			0.12	1	05/06/10 19.05			
Boron	3.9 m			3.0	1	05/06/10 19:05			
Cadmium	ND m			0.12	1	05/06/10 19 05			
Calcium	1490 m			122	1	05/06/10 19.05			
Chromium	14.4 m			0 30	1	05/06/10 19:05			
Cobalt	9.9 m			0.61	1	05/06/10 19:05			
Copper	2.1 m			0.61	1	05/06/10 19:05			
Copper Iron	26000 m			6.1	1	05/06/10 19:05			
Lead	1.5 m			0.30	1	05/06/10 19.05			
				30.4	1	05/06/10 19:05			
Magnesium	4300 m								
Manganese	265 m			0.61	1		05/07/10 14.2		
Molybdenum	ND m			1.2	1		05/07/10 14:2		
Nickel	23.2 m			1.2	1		05/07/10 14:2	-	
Potassium	1330 m			30.4	1	05/06/10 19.05			
Selenium	ND m			0.30	1		05/07/10 14:2		
Silver	ND m	~ ~		0 12	1		05/07/10 14:2		
Sodium	ND m			304	1		05/07/10 14:2		
Thallium	ND m			1.2	1		05/07/10 14:2	· · · · · · · ·	
Vanadium	12.2 m	• •		0 61	1		05/07/10 14.2		
Zinc	43.9 m	ıg/kg		0.61	1	05/06/10 19.05	5 05/07/10 14:2	26 7440-66 - 6	
7471 Mercury	Analytical Me	thod: EPA 7	'471 Prepara	ition Met	nod: EPA	A 7471			
Mercury	ND m	ng/kg		0.10	1	05/07/10 12:10	05/10/10 09:4	13 7439-97-6	
8270 MSSV FULL LIST MICROWAVE	Analytical Me	thod: EPA 8	3270 Prepara	ation Met	hod: EP/	A 3546			
Acenaphthene	ND u	g/kg		352	1	05/06/10 16:43	3 05/11/10 12:5	1 83-32-9	
Acenaphthylene	ND u	g/kg		352	1	05/06/10 16 43	3 05/11/10 12:5	1 208-96-8	
Anthracene	ND u	g/kg		352	1	05/06/10 16.43	3 05/11/10 12.5	1 120-12-7	
Azobenzene	ND u	g/kg		352	1	05/06/10 16:43	3 05/11/10 12.5	1 103-33-3	
Benzo(a)anthracene	ND u	g/kg		352	1	05/06/10 16.43	3 05/11/10 12:5	51 56-55-3	
Benzo(a)pyrene	ND u	g/kg		352	1	05/06/10 16:43	3 05/11/10 12:5	1 50-32-8	
Benzo(b)fluoranthene	ND u			352	1	05/06/10 16:43	3 05/11/10 12.5	1 205-99-2	
Benzo(g,h,i)perylene	ND u			352	1	05/06/10 16:43	3 05/11/10 12:5	191-24-2	
Benzo(k)fluoranthene	ND u			352	1		3 05/11/10 12:5		
Benzoic acid	ND u			880	1	05/06/10 16.43	3 05/11/10 12 5	1 65-85-0	
Benzyl alcohol	ND u			352	1		3 05/11/10 12:5		
4-Bromophenylphenyl ether	ND u			352	1		3 05/11/10 12:5		
Butylbenzylphthalate	ND u			352	1		3 05/11/10 12:5		
Carbazole	ND u			352	1		3 05/11/10 12.5		
	ND u				1		3 05/11/10 12:5		
4-Chloro-3-methylphenol	[A1117	а/ка		352	1	00/00/10 10 4.	ייו זון ועטט כ) 09-00-7	

Date: 06/16/2010 08.32 AM

REPORT OF LABORATORY ANALYSIS

Page 41 of 96

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CABOT-EPA 006427



Pace Analytical Services, Inc.

1638 Roseytown Road - Suites 2,3,4 Greensburg, PA 15601

(724)850-5600

ANALYTICAL RESULTS

Project⁻

2H/4H

Pace Project No.: 3027140

Sample: 2H/4H-5	Lab ID: 302	7140015	Collected.	05/04/1	0 15:10	Received 05	/05/10 13:40 N	/latrix: Solid	
Results reported on a "dry-weight	" basis								
Parameters	Results	Units	Report	Limit	DF	Prepared	Analyzed	CAS No	Qua
8270 MSSV FULL LIST MICROWAVE	Analytical Met	hod. EPA 82	270 Preparati	ion Meth	od. EP/	₹ 3546			
bis(2-Chloroethoxy)methane	ND ug	g/kg		352	1	05/06/10 16:43	05/11/10 12:51	111-91-1	
ois(2-Chloroethyl) ether	ND ug	g/kg		352	1	05/06/10 16:43	05/11/10 12:51	111-44-4	
ois(2-Chloroisopropyl) ether	ND ug	J/kg		352	1	05/06/10 16:43	05/11/10 12:51	108-60-1	
2-Chloronaphthaiene	ND ug	g/kg		352	1	05/06/10 16:43	05/11/10 12:51	91-58-7	
2-Chlorophenol	ND ug	g/kg		352	1	05/06/10 16.43	05/11/10 12:51	95-57-8	
I-Chlorophenylphenyl ether	ND ug	g/kg		352	1	05/06/10 16:43	05/11/10 12:51	7005-72-3	
Chrysene	ND ug	g/kg		352	1	05/06/10 16:43	05/11/10 12:51	218-01-9	
Dibenz(a,h)anthracene	ND ug	J/kg		352	1	05/06/10 16:43	05/11/10 12:51	53-70-3	
Dibenzofuran	ND ug	g/kg		352	1	05/06/10 16:43	05/11/10 12:51	132-64-9	
1,2-Dichlorobenzene	ND ug			352	1		05/11/10 12:51		
1,3-Dichlorobenzene	ND ug			352	1		05/11/10 12:51		
1,4-Dichlorobenzene	ND ug			352	1		05/11/10 12:51		
3,3'-Dichlorobenzidine	ND ug			352	1		05/11/10 12:51		
2,4-Dichlorophenol	ND ug			352	1		05/11/10 12:51		
Diethylphthalate	ND ug			352	1		05/11/10 12:51		
2,4-Dimethylphenol	ND ug			352	1		05/11/10 12:51		
Dimethylphthalate	ND ug			352	1		05/11/10 12:51		
Di-n-butylphthalate	ND ug	_		352	1		05/11/10 12:51		
,6-Dinitro-2-methylphenol	ND ug			880	1		05/11/10 12:51		
2,4-Dinitrophenol	ND ug			880	1		05/11/10 12:51		
2,4-Dinitrotoluene	ND ug	-		352	1		05/11/10 12:51		
2,6-Dinitrotoluene	ND ug			352	1		05/11/10 12:51		
Di-n-octylphthalate	ND ug			352	1		05/11/10 12:51		
pis(2-Ethylhexyl)phthalate	ND uş			352	1		05/11/10 12:51		
Fluoranthene	ND us	. •		352	1		05/11/10 12:51		
Fluorene	ND ug			352	1		05/11/10 12.51		
lexachloro-1,3-butadiene	ND us	-		352	1		05/11/10 12:51		
Hexachlorobenzene	ND ug			352	1		05/11/10 12.51		
dexachlorocyclopentadiene	ND us	-		352	1		05/11/10 12.51		
Hexachloroethane	ND us			352	1				
ndeno(1,2,3-cd)pyrene	•						05/11/10 12 51		
sophorone	ND ug			352 352	1		05/11/10 12:51		
-Methylnaphthalene	ND ug						05/11/10 12.51		
	ND ug			352	1		05/11/10 12.51		
2-Methylnaphthalene	ND ug			352	1		05/11/10 12:51		
2-Methylphenol(o-Cresol)	ND ug			352	1		05/11/10 12:51	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND ug			703	1		05/11/10 12:51		
Naphthalene	ND uç			352	1		05/11/10 12:51		
2-Nitroaniline	ND ug			880	1		05/11/10 12.51		
3-Nitroaniline	ND ug			880	1		05/11/10 12.51		
4-Nitroaniline	ND ug			880	1		05/11/10 12.51		
Nitrobenzene	ND ug			352	1		05/11/10 12:51		
2-Nitropheno!	ND uç	. •		352	1		05/11/10 12:51		
1-Nitrophenol	ND uç			352	1		05/11/10 12:51		
N-Nitrosodimethylamine	ND ug			352	1		05/11/10 12:51		
N-Nitroso-di-n-propylamine	ND uç	g/kg		352	1	05/06/10 16:43	05/11/10 12:51	621-64-7	

Date. 06/16/2010 08 32 AM

REPORT OF LABORATORY ANALYSIS

Page 42 of 96

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CABOT-EPA 006428





ANALYTICAL RESULTS

Project: 2H/4H Pace Project No.: 3027140

Sample: 2H/4H-5 Lab ID: 3027140015 Collected 05/04/10 15.10 Received: 05/05/10 13:40 Matrix: Solid

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No	Qua
3270 MSSV FULL LIST MICROWAVE	Analytical Meth	od EPA 827	70 Preparation Meth	od: EP	A 3546			
N-Nitrosodiphenylamine	ND ug/	<g< td=""><td>352</td><td>1</td><td>05/06/10 16:43</td><td>05/11/10 12:51</td><td>86-30-6</td><td></td></g<>	352	1	05/06/10 16:43	05/11/10 12:51	86-30-6	
Pentachlorophenol	ND ug/	kg	880	1	05/06/10 16:43	05/11/10 12:51	87-86-5	
Phenanthrene	ND ug/	kg	352	1	05/06/10 16:43	05/11/10 12:51	85-01-8	
Phenol	ND ug/	kg	352	1	05/06/10 16·43	05/11/10 12.51	108-95-2	
Pyrene	ND ug/	_	352	1	05/06/10 16:43	05/11/10 12 51	129-00-0	
1,2,4-Trichlorobenzene	ND ug/	-	352	1	05/06/10 16:43	05/11/10 12:51	120-82-1	
2,4,5-Trichlorophenol	ND ug/	-	880	1		05/11/10 12:51		
2,4,6-Trichlorophenol	ND ug/	•	352	1	05/06/10 16:43	05/11/10 12.51	88-06-2	
Nitrobenzene-d5 (S)	82 %	-5	35-114	1		05/11/10 12:51		
2-Fluorobiphenyl (S)	85 %		43-116	1		05/11/10 12:51		
Terphenyl-d14 (S)	108 %		33-141	1		05/11/10 12.51		
Phenol-d6 (S)	93 %		10-110	1		05/11/10 12:51		
2-Fluorophenol (S)	101 %		21-110	1		05/11/10 12:51		
2,4,6-Tribromophenol (S)	97 %		10-123	1		05/11/10 12.51		
		- d. EDA 934		'	00/00/10 10:40	05/11/10 12.51	110-13-0	
3260 MSV 5030 Low Level	Analytical Meth							
Acetone	105 ug/	kg	36.1	1		05/06/10 17:54		
Benzene	ND ug/	kg	18.0	1		05/06/10 17:54	71-43-2	
Bromochloromethane	ND ug/	kg	18.0	1		05/06/10 17:54	74-97-5	
Bromodichloromethane	ND ug/	kg	18.0	1		05/06/10 17:54	75-27-4	
Bromoform	ND ug/	kg	18.0	1		05/06/10 17.54	75-25-2	
Bromomethane	ND ug	kg	18 0	1		05/06/10 17:54	74-83-9	
TOTAL BTEX	ND ug/	kg	108	1		05/06/10 17:54		
2-Butanone (MEK)	ND ug/	kg	36.1	1		05/06/10 17:54	78-93-3	
n-Butylbenzene	ND ug/	kg	18.0	1		05/06/10 17:54	104-51-8	
sec-Butylbenzene	ND ug/	kg	18.0	1		05/06/10 17:54	135-98-8	
Carbon disulfide	ND ug	-	18.0	1		05/06/10 17:54	75-15-0	
Carbon tetrachloride	ND ug	_	18.0	1		05/06/10 17:54	56-23-5	
Chlorobenzene	ND ug	•	18.0	1		05/06/10 17:54		
Chloroethane	ND ug	-	18.0	1		05/06/10 17:54		
Chloroform	ND ug.	-	18.0	1		05/06/10 17:54		
Chloromethane	ND ug.	_	18 0	1		05/06/10 17:54		
Dibromochloromethane	ND ug	•	18 0	1		05/06/10 17:54		
1,2-Dichlorobenzene	ND ug	-	18.0	1		05/06/10 17:54		
1,3-Dichlorobenzene	-	-	18.0	1		05/06/10 17:54		
•	ND ug.	-	18.0	1		05/06/10 17.54		
1,4-Dichlorobenzene	ND ug.	-						
1,1-Dichloroethane	ND ug	•	18.0	1		05/06/10 17:54		
1,2-Dichloroethane	ND ug.	-	18 0	1		05/06/10 17:54		
1,2-Dichloroethene (Total)	ND ug.	-	36.1	1		05/06/10 17.54		
1,1-Dichloroethene	ND ug	-	18.0	1		05/06/10 17:54		
cis-1,2-Dichloroethene	ND ug	-	18.0	1		05/06/10 17:54		
rans-1,2-Dichloroethene	ND ug	-	18.0	1		05/06/10 17:54		
1,2-Dichloropropane	ND ug	-	18.0	1		05/06/10 17.54		
cis-1,3-Dichloropropene	ND ug	/kg	18.0	1		05/06/10 17:54	10061-01-5	
trans-1,3-Dichloropropene	ND ug	/kg	18 0	1		05/06/10 17:54	10061-02-6	

Date: 06/16/2010 08:32 AM

REPORT OF LABORATORY ANALYSIS

Page 43 of 96

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CABOT-EPA 006429



ANALYTICAL RESULTS

Project:

2H/4H

Pace Project No.: 3027140

Sample: 2H/4H-5	Lab ID: 302714001	5 Collected. 05/04/1	0 15:10	Received: 0	5/05/10 13:40	Matrix: Solid	
Results reported on a "dry-weigh	t" basis						
Parameters	Results Uni	ts Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5030 Low Level	Analytical Method. EP	A 8260					
Ethylbenzene	ND ug/kg	18.0	1		05/06/10 17:5	4 100-41-4	
2-Hexanone	ND ug/kg	36.1	1		05/06/10 17:5	4 591-78-6	
Isopropylbenzene (Cumene)	ND ug/kg	18 0	1		05/06/10 17.5	4 98-82-8	
p-Isopropyltoluene	ND ug/kg	18.0	1		05/06/10 17:5	4 99-87-6	
Methylene Chloride	ND ug/kg	18.0	1		05/06/10 17:5	4 75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/kg	36.1	1		05/06/10 17:5	4 108-10-1	
Methyl-tert-butyl ether	ND ug/kg	18.0	1		05/06/10 17:5	4 1634-04-4	
Naphthalene	ND ug/kg	18.0	1		05/06/10 17.5	4 91-20-3	
n-Propylbenzene	ND ug/kg	18.0	1		05/06/10 17 5	4 103-65-1	
Styrene	ND ug/kg	18.0	1		05/06/10 17.5	4 100-42-5	
1,1,2,2-Tetrachloroethane	ND ug/kg	18.0	1		05/06/10 17.5	4 79-34-5	
Tetrachloroethene	ND ug/kg	18.0	1		05/06/10 17:5	4 127-18-4	
Toluene	ND ug/kg	18.0	1		05/06/10 17:5	4 108-88-3	
1,2,4-Trichlorobenzene	ND ug/kg	18.0	1		05/06/10 17:5	4 120-82-1	
1,1,1-Trichloroethane	ND ug/kg	18 0	1		05/06/10 17:5	4 71-55-6	
1,1,2-Trichloroethane	ND ug/kg	18 0	1		05/06/10 17:5	4 79-00-5	
Trichloroethene	ND ug/kg	18 0	1		05/06/10 17:5	4 79-01-6	
1,2,4-Trimethylbenzene	ND ug/kg	18.0	1		05/06/10 17:5	4 95-63-6	
1,3,5-Trimethylbenzene	ND ug/kg	18.0	1		05/06/10 17.5	4 108-67-8	
Vinyl chloride	ND ug/kg	18.0	1		05/06/10 17.5	4 75-01-4	
Xylene (Total)	ND ug/kg	54.1	1		05/06/10 17.5	4 1330-20-7	
m&p-Xylene	ND ug/kg	36.1	1		05/06/10 17:5	4 179601-23-1	
o-Xylene	ND ug/kg	18.0	1		05/06/10 17:5	4 95-47-6	
Toluene-d8 (S)	92 %	70-130	1		05/06/10 17:5	4 2037-26-5	
4-Bromofluorobenzene (S)	106 %	70-130	1		05/06/10 17:5	4 460-00-4	
1,2-Dichloroethane-d4 (S)	116 %	70-130	1		05/06/10 17:5	4 17060-07-0	
Percent Moisture	Analytical Method: AS	TM D2974-87					
Percent Moisture	7.7 %	0.10	1		05/06/10 17.2	7	
350.1 Ammonia	Analytical Method: EF	A 350.1					

Date. 06/16/2010 08:32 AM

Nitrogen, Ammonia

REPORT OF LABORATORY ANALYSIS

5.0 1

16.2 mg/kg

Page 44 of 96

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CABOT-EPA 006430

05/08/10 16 01 7664-41-7



ANALYTICAL RESULTS

Project:

2H/4H

Pace Project No.: 3027140

Sample: 2H/4H-5 (ASTM)	Lab ID: 30271	40016	Collected: 05/04/1	0 15:10	Received. 05	5/05/10 13 40 M	latrix Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
5540C MBAS Surfactants	Analytical Metho	d: SM 5540	C					
Surfactants	ND mg/L	_	0 10	1		05/07/10 15:01		
4500 Chloride	Analytical Metho	d. SM 4500-	-CI-E					
Chloride	ND mg/l	L	3.0	1		05/08/10 11.27	16887-00-6	

Date: 06/16/2010 08:32 AM

REPORT OF LABORATORY ANALYSIS

Page 45 of 96

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CABOT-EPA 006431



ANALYTICAL RESULTS

Project 2H/4H
Pace Project No: 3027140

Sample: 2H/4H-3 Lab ID: 3027140017 Collected: 05/04/10 15:20 Received: 05/05/10 13 40 Matrix: Solid Results reported on a "dry-weight" basis **Parameters** DF Results Units Report Limit Prepared Analyzed CAS No. Qual **6010 MET ICP** Analytical Method: EPA 6010B Preparation Method: EPA 3050 Aluminum 9130 mg/kg 6.4 05/06/10 19:05 05/07/10 14:29 7429-90-5 0.38 mg/kg 05/06/10 19:05 05/07/10 14:29 7440-36-0 Antimony 0.32 Arsenic 2.1 mg/kg 0.32 05/06/10 19:05 05/07/10 14:29 7440-38-2 Barium 281 mg/kg 1.3 1 05/06/10 19:05 05/07/10 14:29 7440-39-3 Beryllium 0.56 mg/kg 0.13 1 05/06/10 19:05 05/07/10 14:29 7440-41-7 Boron 3.3 mg/kg 3.2 1 05/06/10 19:05 05/07/10 14:29 7440-42-8 Cadmium ND mg/kg 0.13 05/06/10 19:05 05/07/10 14:29 7440-43-9 05/06/10 19:05 05/07/10 14:29 7440-70-2 Calcium 1220 mg/kg 129 1 Chromium 13.2 mg/kg 0.32 1 05/06/10 19:05 05/07/10 14:29 7440-47-3 Cobalt 8.9 mg/kg 0.64 1 05/06/10 19:05 05/07/10 14:29 7440-48-4 05/06/10 19.05 05/07/10 14:29 7440-50-8 Copper 4.6 mg/kg 0.64 23200 mg/kg 6.4 05/06/10 19:05 05/07/10 14:29 7439-89-6 Iron 1 Lead 2.0 mg/kg 0.32 05/06/10 19.05 05/07/10 14:29 7439-92-1 Magnesium 4100 mg/kg 32 2 05/06/10 19 05 05/07/10 14:29 7439-95-4 05/06/10 19 05 05/07/10 14:29 7439-96-5 Manganese 625 mg/kg 0.64 ND mg/kg Molybdenum 1.3 1 05/06/10 19 05 05/07/10 14:29 7439-98-7 Nickel 05/06/10 19.05 05/07/10 14:29 7440-02-0 21.1 mg/kg 1.3 Potassium 1090 mg/kg 32.2 1 05/06/10 19:05 05/07/10 14:29 7440-09-7 Selenium ND mg/kg 0.32 05/06/10 19.05 05/07/10 14.29 7782-49-2 Silver ND mg/kg 0.13 1 05/06/10 19:05 05/07/10 14:29 7440-22-4 Sodium 322 05/06/10 19.05 05/07/10 14:29 7440-23-5 ND mg/kg Thallium 1.3 ND mg/kg 1 05/06/10 19:05 05/07/10 14:29 7440-28-0 Vanadium 05/06/10 19:05 05/07/10 14:29 7440-62-2 11.1 mg/kg 0.64 0.64 05/06/10 19:05 05/07/10 14:29 7440-66-6 Zinc 42.5 mg/kg 1 7471 Mercury Analytical Method EPA 7471 Preparation Method: EPA 7471 05/07/10 12.10 05/10/10 09:44 7439-97-6 Mercury ND ma/ka 0.11 1 8270 MSSV FULL LIST Analytical Method: EPA 8270 Preparation Method: EPA 3546 **MICROWAVE** Acenaphthene ND ug/kg 05/06/10 16:43 05/11/10 13:14 83-32-9 357 ND ug/kg Acenaphthylene 357 1 05/06/10 16:43 05/11/10 13:14 208-96-8 357 05/06/10 16:43 05/11/10 13:14 120-12-7 Anthracene ND ug/kg 1 Azobenzene ND ug/kg 357 1 05/06/10 16:43 05/11/10 13:14 103-33-3 Benzo(a)anthracene ND ug/kg 357 05/06/10 16:43 05/11/10 13:14 56-55-3 Benzo(a)pyrene ND ug/kg 357 1 05/06/10 16:43 05/11/10 13:14 50-32-8 Benzo(b)fluoranthene ND ug/kg 357 05/06/10 16:43 05/11/10 13:14 205-99-2 Benzo(g,h,i)perylene ND ug/kg 357 05/06/10 16:43 05/11/10 13:14 191-24-2 Benzo(k)fluoranthene ND ug/kg 357 05/06/10 16:43 05/11/10 13.14 207-08-9 Benzoic acid ND ug/kg 893 1 05/06/10 16:43 05/11/10 13:14 65-85-0 05/06/10 16:43 05/11/10 13:14 100-51-6 357 Benzyl alcohol ND ug/kg 4-Bromophenylphenyl ether 05/06/10 16:43 05/11/10 13:14 101-55-3 ND ug/kg 357 1 05/06/10 16:43 05/11/10 13.14 85-68-7 Butylbenzyiphthalate ND ug/kg 357 Carbazole ND ug/kg 357 1 05/06/10 16:43 05/11/10 13:14 86-74-8 4-Chloro-3-methylphenol 05/06/10 16:43 05/11/10 13 14 59-50-7 ND ug/kg 357 05/06/10 16:43 05/11/10 13.14 106-47-8 4-Chloroaniline ND ug/kg 357

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REPORT OF LABORATORY ANALYSIS

Page 46 of 96

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CABOT-EPA 006432



ANALYTICAL RESULTS

Project:

2H/4H

Pace Project No..

3027140

Sample: 2H/4H-3	Lab ID: 302714001	7 Collected: 05/04/10	15:20	Received: 0	5/05/10 13:40	Matrix: Solid	
Results reported on a "dry-weight							
Parameters	Results Un	its Report Limit	DF	Prepared	Analyzed	CAS No	Qu
8270 MSSV FULL LIST MICROWAVE	Analytical Method: EF	PA 8270 Preparation Metho	d. EPA	A 3546			
bis(2-Chloroethoxy)methane	ND ug/kg	357	1	05/06/10 16:43	3 05/11/10 13:1	4 111-91-1	
bis(2-Chioroethyl) ether	ND ug/kg	357	1		05/11/10 13:1		
bis(2-Chloroisopropyl) ether	ND ug/kg	357	1		3 05/11/10 13:1		
2-Chloronaphthalene	ND ug/kg	357	1		05/11/10 13:1		
2-Chlorophenol	ND ug/kg	357	1		3 05/11/10 13.1	· - · · -	
4-Chlorophenylphenyl ether	ND ug/kg	357	1		3 05/11/10 13:1		
Chrysene	ND ug/kg	357	1		3 05/11/10 13:1		
Dibenz(a,h)anthracene	ND ug/kg	357	1		3 05/11/10 13:1		
Dibenzofuran	ND ug/kg	357	1		3 05/11/10 13:1		
1,2-Dichlorobenzene	ND ug/kg	357	1		05/11/10 13:14		
1,3-Dichlorobenzene	ND ug/kg	357	1		3 05/11/10 13:14 3 05/11/10 13:14		
1,4-Dichlorobenzene	ND ug/kg	357	1		3 05/11/10 13.1		
3,3'-Dichlorobenzidine	ND ug/kg	357	1		3 05/11/10 13:14		
2,4-Dichlorophenol	ND ug/kg	357	1		3 05/11/10 13:14		
Diethylphthalate	ND ug/kg	357	1		3 05/11/10 13:14 3 05/11/10 13:14		
2,4-Dimethylphenol	ND ug/kg	357	1		05/11/10 13:14 05/11/10 13:14		
Dimethylphthalate	ND ug/kg	357	1		3 05/11/10 13:10 3 05/11/10 13:10		
Di-n-butylphthalate	ND ug/kg	357	1				
4,6-Dinitro-2-methylphenol	ND ug/kg	893	1		3 05/11/10 13:14 3 05/11/10 13:14		
2,4-Dinitrophenol	ND ug/kg	893	1				
2,4-Dinitrotoluene	ND ug/kg	357	1		3 05/11/10 13:1		
2,6-Dinitrotoluene	ND ug/kg	357 357			3 05/11/10 13:1		
Di-n-octylphthalate			1		3 05/11/10 13.1		
pis(2-Ethylhexyl)phthalate	ND ug/kg	357	1		3 05/11/10 13:1		
Fluoranthene	ND ug/kg	357	1		3 05/11/10 13:1		
Fluorene	ND ug/kg	357	1		3 05/11/10 13:1		
	ND ug/kg	357	1		05/11/10 13:1		
Hexachloro-1,3-butadiene	ND ug/kg	357	1		3 05/11/10 13 1		
Hexachlorobenzene	ND ug/kg	357	1		05/11/10 13:1		
Hexachlorocyclopentadiene	ND ug/kg	357	1		05/11/10 13:1		
Hexachloroethane	ND ug/kg	357	1		3 05/11/10 13.1		
Indeno(1,2,3-cd)pyrene	ND ug/kg	357	1		3 05/11/10 13:1		
sophorone	ND ug/kg	357	1		3 05/11/10 13·14		
1-Methylnaphthalene	ND ug/kg	357	1		3 05/11/10 13:1		
2-Methylnaphthalene	ND ug/kg	357	1		8 05/11/10 13:1		
2-Methylphenol(o-Cresol)	ND ug/kg	357	1	05/06/10 16.43	05/11/10 13:14	4 95-48-7	
3&4-Methylphenol(m&p Cresol)	ND ug/kg	714	1	05/06/10 16:43	05/11/10 13.14	4	
Naphthalene	ND ug/kg	357	1	05/06/10 16.43	05/11/10 13:1	4 91-20-3	
2-Nitroaniline	ND ug/kg	893	1	05/06/10 16:43	05/11/10 13:14	4 88-74-4	
3-Nitroaniline	ND ug/kg	893	1	05/06/10 16:43	05/11/10 13.14	4 99-09-2	
4-Nitroandine	ND ug/kg	893	1	05/06/10 16.43	05/11/10 13:14	4 100-01-6	
Nitrobenzene	ND ug/kg	357	1	05/06/10 16:43	05/11/10 13:14	4 98-95-3	
2-Nitrophenol	ND ug/kg	357	1	05/06/10 16:43	05/11/10 13.14	4 88-75-5	
4-Nitrophenol	ND ug/kg	357	1	05/06/10 16.43	05/11/10 13:14	4 100-02-7	
N-Nıtrosodimethylamine	ND ug/kg	357	1		05/11/10 13:14		
N-Nitroso-di-n-propylamine	ND ug/kg	357	1		05/11/10 13 1		

N-Nitroso-di-n-propylamine Date: 06/16/2010 08.32 AM

REPORT OF LABORATORY ANALYSIS

357

Page 47 of 96

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ND ug/kg



CABOT-EPA 006433

05/06/10 16:43 05/11/10 13.14 621-64-7



ANALYTICAL RESULTS

Project:

2H/4H

3027140 Pace Project No.:

Sample: 2H/4H-3

Collected. 05/04/10 15.20 Received: 05/05/10 13:40 Matrix. Solid Lab ID: 3027140017

•	MIGHT.	COIIG	

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qu
8270 MSSV FULL LIST MICROWAVE	Analytical Meth	nod: EPA 827	0 Preparation Met	nod: EP	A 3546			
N-Nitrosodiphenylamine	ND ug	/kg	357	1	05/06/10 16:43	05/11/10 13:14	86-30-6	
Pentachlorophenol	ND ug	/kg	893	1	05/06/10 16:43	05/11/10 13:14	87-86-5	
Phenanthrene	ND ug	/kg	357	1	05/06/10 16:43	05/11/10 13:14	85-01-8	
Phenol	ND ug	/kg	357	1	05/06/10 16:43	05/11/10 13.14	108-95-2	
Pyrene	ND ug	/kg	357	1	05/06/10 16:43	05/11/10 13·14	129-00-0	
1,2,4-Trichlorobenzene	ND ug	/kg	357	1	05/06/10 16:43	05/11/10 13 14	120-82-1	
2,4,5-Trichlorophenol	ND ug	/kg	893	1	05/06/10 16:43	05/11/10 13 14	95-95-4	
2,4,6-Trichlorophenol	ND ug	/kg	357	1	05/06/10 16:43	05/11/10 13 14	88-06-2	
Nitrobenzene-d5 (S)	59 %		35-114	1	05/06/10 16 43	05/11/10 13 14	4165-60-0	
2-Fluorobiphenyl (S)	80 %		43-116	1	05/06/10 16 43	05/11/10 13 14	321-60-8	
Terphenyl-d14 (S)	88 %		33-141	1		05/11/10 13 14		
Phenol-d6 (S)	63 %		10-110	1		05/11/10 13 14		
2-Fluorophenol (S)	75 %		21-110	1		05/11/10 13 14		
2,4,6-Tribromophenol (S)	70 %		10-123	1		05/11/10 13 14		
8260 MSV 5030 Low Level	Analytical Met	hod. EPA 826	60					
Acetone	89.5 ug	ı/ka	7.9	1		05/10/10 12:07	67-64-1	
Benzene	ND ug		4.0	1		05/10/10 12:07		
Bromochloromethane	ND ug	-	4.0	1		05/10/10 12:07		
Bromodichloromethane	ND ug	-	4.0	1		05/10/10 12:07		
Bromoform	ND ug	-	4.0	1		05/10/10 12:07		
Bromomethane	ND ug		4.0	1		05/10/10 12:07		
TOTAL BTEX	ND ug		23.8	1		05/10/10 12.07		
2-Butanone (MEK)	ND ug		7.9	1		05/10/10 12:07	78-93-3	
n-Butylbenzene	ND ug		4.0	1		05/10/10 12.07		
sec-Butylbenzene	ND ug		4.0	1		05/10/10 12.07		
Carbon disulfide	8.1 ug	_	4.0	1		05/10/10 12.07		
Carbon tetrachloride	ND ug	•	4.0	1		05/10/10 12.07		
Chlorobenzene	ND ug		4.0	-1		05/10/10 12:07		
Chloroethane	ND ug		4.0	1		05/10/10 12:07		
Chloroform	ND ug		4.0	1		05/10/10 12:07		
Chloromethane	ND ug		4.0	1		05/10/10 12:07		
Dibromochloromethane	ND ug		4.0	1		05/10/10 12:07		
1,2-Dichlorobenzene	ND ug		4.0	1		05/10/10 12:07		
1,3-Dichlorobenzene	ND ug	. •	40	1		05/10/10 12:07		
1,4-Dichlorobenzene	ND uç	. •	40	1		05/10/10 12:07		
1,1-Dichloroethane	ND ug	. •	4.0	1		05/10/10 12:07		
1,2-Dichloroethane	ND ug		4.0	1		05/10/10 12:07		
	7		79	1		05/10/10 12:07		
1,2-Dichloroethene (Total)	ND ug		7 9 4 0	1		05/10/10 12:07		
1,1-Dichloroethene	ND ug	-	40	1		05/10/10 12:07		
cis-1,2-Dichloroethene	ND ug			1				
trans-1,2-Dichloroethene	ND ug	-	40			05/10/10 12:07		
1,2-Dichloropropane	ND ug	-	40	1		05/10/10 12:07		
cis-1,3-Dichloropropene	ND ug	₃/Kg	40	1		05/10/10 12:07	10061-01-5	

trans-1,3-Dichloropropene Date. 06/16/2010 08:32 AM

REPORT OF LABORATORY ANALYSIS

4.0

ND ug/kg

Page 48 of 96

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CABOT-EPA 006434

05/10/10 12.07 10061-02-6



ANALYTICAL RESULTS

Project:

2H/4H

Pace Project No.: 3027140

Sample: 2H/4H-3	Lab ID: 3027140017	Collected: 05/04/10 15	:20 Received	. 05/05/10 13.40 Matrix: Solid
Results reported on a "dry-weight Parameters	<i>t" basis</i> Results Units	Report Limit Di	Prepare	ed Analyzed CAS No Qu
1 diameters	Tresures Office	- Report Emile Di	- Tropare	Allayzod Cho Ho
8260 MSV 5030 Low Level	Analytical Method EPA	3260		
Ethylbenzene	ND ug/kg	4.0 1		05/10/10 12 07 100-41-4
2-Hexanone	ND ug/kg	7.9 1		05/10/10 12:07 591-78-6
Isopropylbenzene (Cumene)	ND ug/kg	4.0 1		05/10/10 12 07 98-82-8
p-Isopropyitoluene	ND ug/kg	4.0 1		05/10/10 12.07 99-87-6
Methylene Chloride	ND ug/kg	4.0 1		05/10/10 12:07 75-09-2
4-Methyl-2-pentanone (MIBK)	ND ug/kg	7.9 1		05/10/10 12 07 108-10-1
Methyl-tert-butyl ether	ND ug/kg	4.0 1		05/10/10 12:07 1634-04-4
Naphthalene	ND ug/kg	4.0 1		05/10/10 12:07 91-20-3
n-Propylbenzene	ND ug/kg	4.0 1		05/10/10 12.07 103-65-1
Styrene	ND ug/kg	4.0 1		05/10/10 12:07 100-42-5
1,1,2,2-Tetrachioroethane	ND ug/kg	4.0 1		05/10/10 12:07 79-34-5
Tetrachloroethene	4.3 ug/kg	4.0 1		05/10/10 12.07 127-18-4
Toluene	ND ug/kg	40 1		05/10/10 12:07 108-88-3
1,2,4-Trichlorobenzene	ND ug/kg	4.0 1		05/10/10 12.07 120-82-1
1,1,1-Trichloroethane	ND ug/kg	40 1		05/10/10 12:07 71-55-6
1,1,2-Trichloroethane	ND ug/kg	4.0 1		05/10/10 12:07 79-00-5
Trichloroethene	ND ug/kg	4.0 1		05/10/10 12:07 79-01-6
1,2,4-Trimethylbenzene	ND ug/kg	40 1		05/10/10 12:07 95-63-6
1,3,5-Trimethylbenzene	ND ug/kg	4.0 1		05/10/10 12.07 108-67-8
Vinyl chloride	ND ug/kg	4.0 1		05/10/10 12:07 75-01-4
Xylene (Total)	ND ug/kg	11.9 1		05/10/10 12:07 1330-20-7
m&p-Xylene	ND ug/kg	7.9 1		05/10/10 12:07 179601-23-1
o-Xylene	ND ug/kg	40 1		05/10/10 12:07 95-47-6
Toluene-d8 (S)	100 %	70-130 1		05/10/10 12:07 2037-26-5
4-Bromofluorobenzene (S)	119 %	70-130 1		05/10/10 12:07 460-00-4
1,2-Dichloroethane-d4 (S)	105 %	70-130 1		05/10/10 12:07 17060-07-0
Percent Moisture	Analytical Method ASTI	M D2974-87		
Percent Moisture	9.7 %	0 10 1		05/06/10 17:27
350.1 Ammonia	Analytical Method. EPA	350.1		
Nitrogen, Ammonia	11.1 mg/kg	5.4 1		05/08/10 16.02 7664-41-7

Date: 06/16/2010 08.32 AM

REPORT OF LABORATORY ANALYSIS

Page 49 of 96

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CABOT-EPA 006435



ANALYTICAL RESULTS

Project: 2H/4H

Pace Project No.: 3027140

Sample: 2H/4H-3(ASTM)	Lab ID: 3027140018		Collected 05/04/10 15:20		Received 05/05/10 13:40		Matrix. Water		
Parameters	Results	Units	Repor	t Limit	DF	Prepared	Analyzed	CAS No.	Qual
5540C MBAS Surfactants	Analytical Metho	od. SM 554	0C						
Surfactants	ND mg/L			0 10	1	05/07/10 15:01			
4500 Chloride	Analytical Metho	od SM 450	0-CI-E						
Chloride	ND mg/		3.0	1		05/08/10 11:28	8 16887-00-6		

Date: 06/16/2010 08:32 AM

REPORT OF LABORATORY ANALYSIS

Page 50 of 96

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CABOT-EPA 006436





ANALYTICAL RESULTS

Project: 2H/4H
Pace Project No.: 3027140

Sample: 2H/4H-6 Lab ID: 3027140019 Collected: 05/04/10 15:30 Received: 05/05/10 13:40 Matrix: Solid

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qua
6010 MET ICP	Analytical Meth	nod: EPA 601	OB Preparation Me	thod: E	PA 3050			
Aluminum	5710 mg	g/kg	8.1	1	05/06/10 19:05	05/07/10 14:32	7429-90-5	
Antimony	ND mg	g/kg	0.40	1	05/06/10 19 05	05/07/10 14:32	7440-36-0	
Arsenic	1.1 mg	g/kg	0 40	1	05/06/10 19.05	05/07/10 14:32	7440-38-2	
Barium	2450 mg	g/kg	16.1	10	05/06/10 19:05	05/10/10 10 45	7440-39-3	
Beryllium	0.31 mg	g/kg	0.16	1	05/06/10 19.05	05/07/10 14:32	7440-41-7	
Boron	ND mg	g/kg	4.0	1	05/06/10 19:05	05/07/10 14:32	7440-42-8	
Cadmium	ND mg	g/kg	0.16	1	05/06/10 19.05	05/07/10 14:32	7440-43-9	
Calcium	958 mg	ı/kg	161	1	05/06/10 19.05	05/07/10 14:32	7440-70-2	
Chromium	7.8 mg	-	0.40	1	05/06/10 19:05	05/07/10 14.32	7440-47-3	
Cobalt	6.2 mg	g/kg	0.81	1	05/06/10 19.05	05/07/10 14:32	7440-48-4	
Copper	2.8 mg	g/kg	0 81	1	05/06/10 19:05	05/07/10 14:32	7440-50-8	
ron	14900 mg	g/kg	8.1	1	05/06/10 19:05	05/07/10 14:32	7439-89-6	
_ead	3.1 mg	a/kg	0.40	1	05/06/10 19:05	05/07/10 14:32	7439-92-1	
Magnesium	2620 mg		40.3	1		05/07/10 14 32		
Manganese	100 mg		0.81	1	05/06/10 19:05	05/07/10 14:32	7439-96-5	
Molybdenum	ND mg		1.6	1		05/07/10 14:32		
Nickel	13.4 mg		1.6	1		05/07/10 14:32		
Potassium	638 mg		40 3	1		05/07/10 14:32		
Selenium	ND mg		0 40	1		05/07/10 14.32		
Silver	ND mg		0.16	1		05/07/10 14:32		
Sodium	ND m	-	403	1		05/07/10 14:32		
Thallium	ND m		1.6	1		05/07/10 14:32		
Vanadium	6.9 m		0.81	1		05/07/10 14:32		
Zinc	28.0 mg		0.81	1		05/07/10 14:02		
	·	•				00/0///0 // 02	7 1 10 00 0	
7471 Mercury	•		1 Preparation Met			05/40/40 00 40	7400 07 0	
Mercury	ND m		0.098	1		05/10/10 09.46	7439-97-6	
8270 MSSV FULL LIST MICROWAVE	Analytical Met	hod. EPA 827	Preparation Met	hod: El	PA 3546			
Acenaphthene	ND ug	ı/ka	349	1	05/06/10 16 ⁻ 43	05/11/10 14:22	83-32-9	
Acenaphthylene	ND ug	•	349	1	05/06/10 16.43	05/11/10 14:22	208-96-8	
Anthracene	ND ug		349	1		05/11/10 14:22		
Azobenzene	ND ug	_	349	1		05/11/10 14 22		
Benzo(a)anthracene	ND ug	. •	349	1		05/11/10 14:22		
Benzo(a)pyrene	ND ug		349	1		05/11/10 14:22		
Benzo(b)fluoranthene	ND ug	-	349	1		05/11/10 14:22		
Benzo(g,h,i)perylene	ND ug		349	1		05/11/10 14:22		
Benzo(k)fluoranthene	ND ug		349	1		05/11/10 14:22		
Benzoic acid	ND ug		872	1		05/11/10 14:22		
Benzyl alcohol	ND ug		349	1		05/11/10 14:22		
4-Bromophenylphenyl ether	ND ug	-	349	1		05/11/10 14:22		
Butylbenzylphthalate	ND ug		349	1		05/11/10 14:22		
Carbazole	ND ug	-	349	1		05/11/10 14:22		
4-Chloro-3-methylphenol	ND ug	-	349	1		05/11/10 14:22		
- onioio o menyiphenoi	ND uş	,,,,A	043	,	22/00/10 10 43	00/11/10 14.22	55-50-1	

Date: 06/16/2010 08 32 AM

REPORT OF LABORATORY ANALYSIS

Page 51 of 96

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CABOT-EPA 006437



ANALYTICAL RESULTS

Project.

2H/4H

Pace Project No 3027140

Sample: 2H/4H-6	Lab ID: 302	7140019	Collected: 05/04/	10 15:3	0 Received, 05	/05/10 13:40 N	/atrix. Solid	
Results reported on a "dry-weigh	t" basis							
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qua
8270 MSSV FULL LIST MICROWAVE	Analytical Met	hod: EPA 82	270 Preparation Met	hod. EF	PA 3546			
bis(2-Chloroethoxy)methane	ND ug	ı/kg	349	1	05/06/10 16:43	05/11/10 14:22	111-91-1	
bis(2-Chloroethyl) ether	ND ug	J/kg	349	1	05/06/10 16:43	05/11/10 14:22	111-44-4	
bis(2-Chloroisopropyl) ether	ND ug	ı/kg	349	1	05/06/10 16:43	05/11/10 14:22	108-60-1	
2-Chloronaphthalene	ND ug	ı/kg	349	1	05/06/10 16:43	05/11/10 14:22	91-58-7	
2-Chlorophenol	ND ug	ı/ka	349	1		05/11/10 14:22		
4-Chlorophenylphenyl ether	ND ug	. •	349	1		05/11/10 14:22		
Chrysene	ND ug		349	1		05/11/10 14:22		
Dibenz(a,h)anthracene	ND ug		349	1		05/11/10 14:22		
Dibenzofuran	ND ug		349	1		05/11/10 14:22		
1,2-Dichlorobenzene	ND ug	-	349	1		05/11/10 14:22		
1,3-Dichlorobenzene	ND ug		349	1		05/11/10 14:22		
1,4-Dichlorobenzene	ND ug		349	1		05/11/10 14:22		
3,3'-Dichlorobenzidine	ND ug		349	1		05/11/10 14:22		
2,4-Dichlorophenol	ND ug		349	1				
Diethylphthalate	ND ug		349	1		05/11/10 14:22		
• .	•					05/11/10 14:22		
2,4-Dimethylphenol	ND ug		349	1		05/11/10 14:22		
Dimethylphthalate	ND ug	. •	349	1		05/11/10 14:22		
Di-n-butylphthalate	ND ug	_	349	1		05/11/10 14:22		
4,6-Dinitro-2-methylphenol	ND ug	_	872	1		05/11/10 14:22		
2,4-Dinitrophenol	ND ug		872	1		05/11/10 14:22		
2,4-Dinitrotoluene	ND ug	-	349	1		05/11/10 14:22		
2,6-Dinitrotoluene	ND ug		349	1	05/06/10 16:43	05/11/10 14:22	606-20-2	
Di-n-octylphthalate	ND ug		349	1	05/06/10 16:43	05/11/10 14:22	117-84-0	
bis(2-Ethylhexyl)phthalate	ND ug	J/kg	349	1	05/06/10 16:43	05/11/10 14:22	117-81-7	
Fluoranthene	ND ug	ı/kg	349	1	05/06/10 16:43	05/11/10 14:22	206-44-0	
Fluorene	ND ug	ı/kg ,	349	1	05/06/10 16:43	05/11/10 14:22	86-73-7	
Hexachloro-1,3-butadiene	ND ug	g/kg	349	1	05/06/10 16:43	05/11/10 14:22	87-68-3	
Hexachlorobenzene	ND ug	g/kg	349	1	05/06/10 16:43	05/11/10 14:22	118-74-1	
Hexachlorocyclopentadiene	ND ug	g/kg	349	1	05/06/10 16:43	05/11/10 14:22	77-47-4	
Hexachloroethane	ND ug	;/kg	349	1	05/06/10 16:43	05/11/10 14:22	67-72-1	
Indeno(1,2,3-cd)pyrene	ND ug	g/kg	349	1	05/06/10 16:43	05/11/10 14:22	193-39-5	
Isophorone	ND ug	/kg	349	1	05/06/10 16:43	05/11/10 14:22	78-59-1	
1-Methylnaphthalene	ND ug	-	349	1		05/11/10 14:22		
2-Methylnaphthalene	ND ug		349	1		05/11/10 14:22		
2-Methylphenol(o-Cresol)	ND ug		349	1		05/11/10 14:22		
3&4-Methylphenol(m&p Cresol)	ND ug	_	697	i		05/11/10 14:22		
Naphthalene	ND ug	-	349	1		05/11/10 14:22		
2-Nitroaniline	ND ug		872	1		05/11/10 14:22		
3-Nitroaniline	ND ug	_	872	i		05/11/10 14:22		
4-Nitroaniline	ND ug		872	1		05/11/10 14:22		
Nitrobenzene	ND ug		349	1		05/11/10 14:22		
2-Nitrophenol	-	-	349	1				
4-Nitrophenol	ND ug					05/11/10 14:22		
•	ND ug		349	1		05/11/10 14.22		
N-Nitrosodimethylamine	ND ug	-	349	1		05/11/10 14:22		
N-Nitroso-di-n-propylamine	ND ug	J/Kg	349	1	05/06/10 16 43	05/11/10 14:22	621-64-7	

Date: 06/16/2010 08:32 AM

REPORT OF LABORATORY ANALYSIS

Page 52 of 96

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CABOT-EPA 006438



ANALYTICAL RESULTS

Project.
Pace Project No.: 3027140

2H/4H

Sample: 2H/4H-6 Lab ID: 3027140019 Collected: 05/04/10 15:30 Received: 05/05/10 13:40 Matrix: Solid

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qu
3270 MSSV FULL LIST MICROWAVE	Analytical Met	thod. EPA 827	70 Preparation Met	nod: EF	PA 3546			
N-Nitrosodiphenylamine	ND ug	g/kg	34 9	1	05/06/10 16 ⁻ 43	05/11/10 14:22	86-30-6	
Pentachlorophenol	ND ug	g/kg	872	1	05/06/10 16:43	05/11/10 14:22	87-86-5	
Phenanthrene	ND u		349	1	05/06/10 16 43	05/11/10 14:22	85-01-8	
Phenol	ND u		349	1	05/06/10 16:43	05/11/10 14:22	108-95-2	
Pyrene	ND ug	- •	349	1		05/11/10 14:22		
1,2,4-Trichlorobenzene	ND u		349	1		05/11/10 14:22		
2,4,5-Trichlorophenol	ND u		872	1		05/11/10 14:22		
2,4,6-Trichlorophenol	ND u		349	1		05/11/10 14.22		
Nitrobenzene-d5 (S)	71 %		35-114	1		05/11/10 14:22		
2-Fluorobiphenyl (S)	82 %		43-116	1		05/11/10 14.22		
Terphenyl-d14 (S)	102 %		33-141	1		05/11/10 14:22		
Phenol-d6 (S)	68 %		10-110	1		05/11/10 14:22		
2-Fluorophenol (S)	76 %		21-110	1		05/11/10 14:22		
	84 %		10-123	1		05/11/10 14:22		
2,4,6-Tribromophenol (S)				'	05/06/10 16.43	05/11/10 14.22	110-79-0	
8260 MSV 5030 Low Level	Analytical Me							
Acetone	42.6 u	g/kg	8.0	1		05/06/10 18:43	67-64-1	
Benzene	ND u	g/kg	4.0	1		05/06/10 18.43	71-43-2	
Bromochloromethane	ND u	g/kg	4.0	1		05/06/10 18:43	74-97-5	
Bromodichloromethane	ND u	g/kg	4 0	1		05/06/10 18:43	75-27-4	
Bromoform	ND u	g/kg	4.0	1		05/06/10 18.43	75-25-2	
Bromomethane	ND u	g/kg	4 0	1		05/06/10 18:43	74-83-9	
TOTAL BTEX	ND u	g/kg	24.0	1		05/06/10 18 43		
2-Butanone (MEK)	ND u		8.0	1		05/06/10 18:43	78-93-3	
n-Butylbenzene	ND u		4.0	1		05/06/10 18.43		
sec-Butylbenzene	ND u		4.0	1		05/06/10 18:43		
Carbon disulfide	ND u		4.0	1		05/06/10 18.43		
Carbon tetrachloride	ND u		4.0	1		05/06/10 18:43		
Chlorobenzene	ND u		4.0	1		05/06/10 18 43		
Chloroethane	ND u		4.0	1		05/06/10 18:43		
Chloroform	ND u		4.0	1		05/06/10 18:43		
Chloromethane	ND u		4.0	1		05/06/10 18:43		
Dibromochloromethane			4.0	1		05/06/10 18:43		
	ND u	• •	4.0 4.0	1				
1,2-Dichlorobenzene	ND u					05/06/10 18:43		
1,3-Dichlorobenzene	ND u		4 0	1		05/06/10 18.43		
1,4-Dichlorobenzene	ND u		4.0	1		05/06/10 18:43		
1,1-Dichloroethane	ND u		4.0	1		05/06/10 18:43		
1,2-Dichloroethane	ND u		4.0	1		05/06/10 18:43		
1,2-Dichloroethene (Total)	ND u		8.0	1		05/06/10 18.43		
1,1-Dichloroethene	ND u	- •	4.0	1		05/06/10 18:43		
cis-1,2-Dichloroethene	ND u	g/kg	4.0	1		05/06/10 18:43		
trans-1,2-Dichloroethene	ND u	g/kg	4.0	1		05/06/10 18:43		
1,2-Dichloropropane	ND u	ıg/kg	4.0	1		05/06/10 18:43	7 8 -87 - 5	
cis-1,3-Dichloropropene	ND u	g/kg	4.0	1		05/06/10 18:43	10061-01-5	
trans-1,3-Dichloropropene	ND u	ia/ka	4.0	1		05/06/10 18:43	10061-02-6	

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REPORT OF LABORATORY ANALYSIS

Page 53 of 96

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CABOT-EPA 006439



ANALYTICAL RESULTS

Project:

2H/4H

Pace Project No.: 3027140

Sample: 2H/4H-6	Lab ID: 3027140019	Collected. 05/04/1	15.30	Received. 05/05/10 13:4	0 Matrix Solid
Results reported on a "dry-weight	t" basis				
Parameters	Results Units	Report Limit	DF	Prepared Analyz	ed CAS No Qual
8260 MSV 5030 Low Level	Analytical Method: EPA 826	0			
Ethylbenzene	ND ug/kg	4.0	1	05/06/10	18:43 100-41-4
2-Hexanone	ND ug/kg	8.0	1	05/06/10	18:43 591-78-6
Isopropylbenzene (Cumene)	ND ug/kg	4.0	1	05/06/10	18 [.] 43 98-82-8
p-Isopropyitoluene	ND ug/kg	4.0	1	05/06/10	18:43 99-87-6
Methylene Chloride	ND ug/kg	4.0	1	05/06/10	18:43 75-09-2
4-Methyl-2-pentanone (MIBK)	ND ug/kg	8.0	1	05/06/10	18 [.] 43 108-10-1
Methyl-tert-butyl ether	ND ug/kg	4.0	1	05/06/10	18:43 1634-04-4
Naphthalene	ND ug/kg	4.0	1	05/06/10	18:43 91-20-3
n-Propylbenzene	ND ug/kg	4.0	1	05/06/10	18 ⁻ 43 103-65-1
Styrene	ND ug/kg	4.0	1	05/06/10	18 43 100-42-5
1,1,2,2-Tetrachloroethane	ND ug/kg	4.0	1	05/06/10	18 43 79-34-5
Tetrachloroethene	ND ug/kg	4 0	1	05/06/10	18:43 127-18-4
Toluene	ND ug/kg	4.0	1	05/06/10	18 43 108-88-3
1,2,4-Trichlorobenzene	ND ug/kg	4 0	1	05/06/10	18.43 120-82-1
1,1,1-Trichloroethane	ND ug/kg	4 0	1	05/06/10	18.43 71-55-6
1,1,2-Trichloroethane	ND ug/kg	4.0	1	05/06/10	18 43 79-00-5
Trichloroethene	ND ug/kg	4 0	1	05/06/10	18:43 79-01 - 6
1,2,4-Trimethylbenzene	ND ug/kg	40	1	05/06/10	18 43 95-63-6
1,3,5-Trimethylbenzene	ND ug/kg	40	1	05/06/10	18:43 108-67-8
Vinyl chloride	ND ug/kg	40	1	05/06/10	18:43 75-01-4
Xylene (Total)	ND ug/kg	12 0	1	05/06/10	18.43 1330-20-7
m&p-Xylene	ND ug/kg	80	1	05/06/10	18.43 179601-23-1
o-Xylene	ND ug/kg	4.0	1	05/06/10	18:43 95-47-6
Toluene-d8 (S)	90 %	70-130	1	05/06/10	18.43 2037-26-5
4-Bromofluorobenzene (S)	104 %	70-130	1	05/06/10	18.43 460-00-4
1,2-Dichloroethane-d4 (S)	123 %	70-130	1	05/06/10	18:43 17060-07-0
Percent Moisture	Analytical Method: ASTM D	2974-87			
Percent Moisture	4.5 %	0.10	1	05/06/10	17.28
350.1 Ammonia	Analytical Method: EPA 350	0.1			
Nitrogen, Ammonia	6.6 mg/kg	4.8	1	05/08/10	16:03 7664-41-7

Date 06/16/2010 08 32 AM

REPORT OF LABORATORY ANALYSIS

Page 54 of 96

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CABOT-EPA 006440



ANALYTICAL RESULTS

Project⁻

2H/4H

Pace Project No: 3027140

race rioject No. 302/140								
Sample: 2H/4H-6 (ASTM)	Lab ID: 30	27140020	Collected: 05/04/1	0 15:30	Received: 05	5/05/10 13:40 N	fatrix. Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No	Qual
5540C MBAS Surfactants	Analytical Me	thod: SM 55	40C					
Surfactants	ND n	ng/L	0.10	1		05/07/10 15:01		
4500 Chloride	Analytical Me	thod. SM 45	00-CI-E					
Chloride	ND n	ng/L	3.0	1		05/08/10 11:28	16887-00-6	

Date: 06/16/2010 08 32 AM

REPORT OF LABORATORY ANALYSIS

Page 55 of 96



CABOT-EPA 006441



Sample: 2H/4H-8

Pace Analytical Services, Inc. 1638 Roseytown Road - Suites 2,3,4 Greensburg, PA 15601 (724)850-5600

Matrix: Solid

CAS No.

Qual

ANALYTICAL RESULTS

Collected: 05/04/10 15:45

Report Limit

DF

Received: 05/05/10 13 40

Analyzed

05/11/10 16 25 05/12/10 12:22 83-32-9

05/11/10 16:25 05/12/10 12:22 208-96-8

05/11/10 16 25 05/12/10 12:22 103-33-3 05/11/10 16 25 05/12/10 12:22 56-55-3

05/11/10 16 25 05/12/10 12:22 50-32-8

05/11/10 16 25 05/12/10 12:22 205-99-2 05/11/10 16:25 05/12/10 12:22 191-24-2

05/11/10 16 25 05/12/10 12:22 207-08-9

05/11/10 16:25 05/12/10 12:22 65-85-0

05/11/10 16.25 05/12/10 12:22 100-51-6

05/11/10 16 25 05/12/10 12:22 101-55-3

05/11/10 16.25 05/12/10 12:22 85-68-7

05/11/10 16:25 05/12/10 12:22 86-74-8

05/11/10 16:25 05/12/10 12:22 59-50-7

05/11/10 16:25 05/12/10 12:22 106-47-8

120-12-7

05/11/10 16.25 05/12/10 12.22

Prepared

Lab ID: 3027140021

ND ug/kg

Units

Results

Project: 2H/4H
Pace Project No.: 3027140

Parameters

Results reported on a "dry-weight" basis

6010 MET ICP Analytical Method: EPA 6010B Preparation Method: EPA 3050 Aluminum 9600 mg/kg 11.0 05/06/10 19.05 05/07/10 14:35 7429-90-5 05/06/10 19 05 05/07/10 14:35 7440-36-0 Antimony 1.7 mg/kg 0.55 14.7 mg/kg Arsenic 0 55 05/06/10 19 05 05/07/10 14:35 7440-38-2 05/06/10 19 05 05/10/10 10 47 7440-39-3 Barium 6200 mg/kg 22 N 10 Beryllium 0.54 mg/kg 0 22 05/06/10 19.05 05/07/10 14.35 7440-41-7 05/06/10 19 05 05/07/10 14:35 7440-42-8 Boron 7.4 mg/kg 5.5 Cadmium ND mg/kg 0 22 05/06/10 19 05 05/07/10 14.35 7440-43-9 05/06/10 19.05 05/07/10 14:35 7440-70-2 Calcium 16100 mg/kg 220 1 05/06/10 19 05 05/07/10 14:35 7440-47-3 Chromium 15.4 mg/kg 0.55 1 05/06/10 19.05 05/07/10 14.35 7440-48-4 Cobalt 15.0 mg/kg 1.1 1 05/06/10 19.05 05/07/10 14:35 7440-50-8 Copper 36.7 mg/kg 11 24500 mg/kg 05/06/10 19 05 05/07/10 14:35 7439-89-6 Iron 11.0 1 05/06/10 19.05 05/07/10 14:35 7439-92-1 Lead 101 mg/kg 0.55 05/06/10 19.05 05/07/10 14:35 7439-95-4 55.0 Magnesium 5750 mg/kg 05/06/10 19 05 05/07/10 14:35 7439-96-5 Manganese 582 mg/kg 1.1 05/06/10 19 05 05/07/10 14:35 7439-98-7 Molybdenum 6.5 mg/kg 22 05/06/10 19 05 05/07/10 14:35 7440-02-0 Nickel 31.8 mg/kg 22 Potassium 05/06/10 19 05 05/07/10 14:35 7440-09-7 1800 mg/kg 55.0 1 05/06/10 19 05 05/07/10 14:35 7782-49-2 Selenium ND mg/kg 0.55 05/06/10 19 05 05/07/10 14:35 7440-22-4 Silver ND mg/kg 0.22 1 Sodium 550 05/06/10 19:05 05/07/10 14:35 7440-23-5 ND mg/kg 05/06/10 19.05 05/07/10 14:35 7440-28-0 Thallum ND mg/kg 22 Vanadium 05/06/10 19:05 05/07/10 14:35 7440-62-2 16.7 mg/kg 1.1 05/06/10 19.05 05/07/10 14:35 7440-66-6 Zinc 118 mg/kg 1.1 1 7471 Mercury Analytical Method EPA 7471 Preparation Method: EPA 7471 05/07/10 12:10 05/10/10 09:47 7439-97-6 Mercury ND ma/ka 0.13 8270 MSSV FULL LIST Analytical Method: EPA 8270 Preparation Method EPA 3546 **MICROWAVE**

Date: 06/16/2010 08.32 AM

4-Chloro-3-methylphenol

4-Bromophenylphenyl ether

Acenaphthene

Anthracene

Azobenzene

Benzoic acid

Carbazole

Benzyl alcohol

4-Chloroaniline

Acenaphthylene

Benzo(a)pyrene

Benzo(a)anthracene

Benzo(b)fluoranthene

Benzo(g,h,i)perylene

Benzo(k)fluoranthene

Butylbenzylphthalate

REPORT OF LABORATORY ANALYSIS

414

414

414

414

414

414

414

414

414

1040

414

414

414

414

414

414

1

1

1

1

1

1

1

1

1

Page 56 of 96

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CABOT-EPA 006442



ANALYTICAL RESULTS

Project.

2H/4H

3027140

Pace Project No.:

Sample: 2H/4H-8 Lab ID: 3027140021 Collected. 05/04/10 15 45 Received: 05/05/10 13:40 Matrix. Solid

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE	Analytical Mei	thod: EPA 827	0 Preparation Met	nod: EF	PA 3546			
bis(2-Chloroethoxy)methane	ND u	g/kg	414	1	05/11/10 16:25	05/12/10 12:22	111-91-1	
bis(2-Chloroethyl) ether	ND u	g/kg	414	1	05/11/10 16:25	05/12/10 12.22	111-44-4	
bis(2-Chloroisopropyl) ether	ND u		414	1	05/11/10 16:25	05/12/10 12:22	108-60-1	
2-Chloronaphthalene	ND u		414	1	05/11/10 16:25	05/12/10 12:22	91-58-7	
2-Chlorophenol	ND u	-	414	1	05/11/10 16:25	05/12/10 12:22	95-57-8	
4-Chlorophenylphenyl ether	ND u		414	1	05/11/10 16:25	05/12/10 12:22	7005-72-3	
Chrysene	ND u		414	1	05/11/10 16:25	05/12/10 12:22	218-01-9	
Dibenz(a,h)anthracene	ND u	g/kg	414	1	05/11/10 16.25	05/12/10 12:22	53-70-3	
Dibenzofuran	ND u		414	1	05/11/10 16:25	05/12/10 12:22	132-64-9	
1,2-Dichlorobenzene	ND u		414	1	05/11/10 16.25	05/12/10 12:22	95-50-1	
1,3-Dichlorobenzene	ND u		414	1	05/11/10 16:25	05/12/10 12:22	541-73-1	
1,4-Dichlorobenzene	ND u		414	1	05/11/10 16 25	05/12/10 12:22	106-46-7	
3,3'-Dichlorobenzidine	ND u		414	1	05/11/10 16:25	05/12/10 12:22	91-94-1	
2,4-Dichlorophenol	ND u		414	1	05/11/10 16.25	05/12/10 12.22	120-83-2	
Diethylphthalate	ND u		414	1	05/11/10 16:25	05/12/10 12:22	84-66-2	
2,4-Dimethylphenol	ND u		414	1	05/11/10 16.25	05/12/10 12:22	105-67-9	
Dimethylphthalate	ND u		414	1	05/11/10 16:25	05/12/10 12:22	131-11-3	
Di-n-butylphthalate	ND u		414	1	05/11/10 16:25	05/12/10 12.22	84-74-2	
4,6-Dinitro-2-methylphenol	ND u	• •	1040	1	05/11/10 16:25	05/12/10 12:22	534-52-1	
2,4-Dinitrophenol	ND u		1040	1		05/12/10 12:22		
2,4-Dinitrotoluene	ND u	- -	414	1	05/11/10 16:25	05/12/10 12:22	121-14-2	
2,6-Dinitrotoluene	ND u		414	1	05/11/10 16:25	05/12/10 12:22	606-20-2	
Di-n-octylphthalate	ND u		414	1	05/11/10 16·25	05/12/10 12:22	117-84-0	
bis(2-Ethylhexyl)phthalate	ND u	• -	414	1	05/11/10 16:25	05/12/10 12.22	117-81-7	
Fluoranthene	ND u		414	1		05/12/10 12:22		
Fluorene	ND u	• -	414	1	05/11/10 16.25	05/12/10 12:22	86-73-7	
Hexachloro-1,3-butadiene	ND u		414	1	05/11/10 16:25	05/12/10 12:22	87-68-3	
Hexachlorobenzene	ND u		414	1	05/11/10 16.25	05/12/10 12:22	118-74-1	
Hexachlorocyclopentadiene	ND u		414	1	05/11/10 16:25	05/12/10 12:22	77-47-4	
Hexachloroethane	ND u		414	1	05/11/10 16:25	05/12/10 12.22	67-72-1	
Indeno(1,2,3-cd)pyrene	ND u		414	1	05/11/10 16:25	05/12/10 12:22	193-39-5	
Isophorone	ND u		414	1		05/12/10 12:22		
1-Methylnaphthalene	ND u		414	1		05/12/10 12:22		
2-Methylnaphthalene	ND u		414	1		05/12/10 12:22		
2-Methylphenol(o-Cresol)	ND u		414	1		05/12/10 12 22		
3&4-Methylphenol(m&p Cresol)	ND u	• •	828	1	•	05/12/10 12:22		
Naphthalene	ND L		414	1		05/12/10 12:22		
2-Nitroaniline	ND u		1040	1		05/12/10 12:22		
3-Nitroaniline	ND u		1040	1		05/12/10 12:22		
4-Nitroaniline	ND u		1040	1		05/12/10 12.22		
Nitrobenzene	ND t	• -	414	1		05/12/10 12:22		
2-Nitrophenol	ND u		414	1		05/12/10 12:22		
4-Nitrophenol	ND u		414	1		05/12/10 12:22		
N-Nitrosodimethylamine	ND u		414	1		05/12/10 12:22		
N-Nitroso-di-n-propylamine	ND (414	1		05/12/10 12.22		

Date: 06/16/2010 08:32 AM

REPORT OF LABORATORY ANALYSIS

Page 57 of 96

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CABOT-EPA 006443



ANALYTICAL RESULTS

Project:

2H/4H

Pace Project No 3027140

Sample: 2H/4H-8	Lab ID: 302	7140021	Collected: 05/04/1	0 15:45	Received: 05	/05/10 13.40 N	latrix: Solid	
Results reported on a "dry-weigi	ht" basis							
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qua
8270 MSSV FULL LIST MICROWAVE	Analytical Met	hod. EPA 82	270 Preparation Meth	nod: EP	₹ 3546			
N-Nitrosodiphenylamine	ND ug	/kg	414	1	05/11/10 16:25	05/12/10 12:22	86-30-6	
Pentachlorophenol	ND ug	/kg	1040	1	05/11/10 16:25	05/12/10 12:22	87-86-5	
Phenanthrene	ND ug		414	1	05/11/10 16 25	05/12/10 12:22	85-01-8	
Phenol	ND us		414	1	05/11/10 16 25	05/12/10 12:22	108-95-2	
Pyrene	ND ug		414	1		05/12/10 12 22		
1,2,4-Trichlorobenzene	ND ug		414	1		05/12/10 12.22		
2,4,5-Trichlorophenol	ND ug	-	1040	1		05/12/10 12:22		
2,4,6-Trichlorophenol	ND ug		414	1		05/12/10 12:22		
Nitrobenzene-d5 (S)	70 %		35-114	1		05/12/10 12:22		
2-Fluorobiphenyl (S)	77 %		43-116	1		05/12/10 12:22		
Terphenyl-d14 (S)	78 %		33-141	1		05/12/10 12:22		
Phenol-d6 (S)	54 %		10-110	1		05/12/10 12:22		
2-Fluorophenol (S)	24 %		21-110	1		05/12/10 12:22		
2,4,6-Tribromophenol (S)	12 %		10-123	1		05/12/10 12:22		
• • • •				ļ	03/11/10 10 23	05/12/10 12.22	110-73-0	
8260 MSV 5030 Low Level	Analytical Met							
Acetone	370 ug	-	13.8	1		05/06/10 19 07		
Benzene	ND uç		6.9	1		05/06/10 19 07		
Bromochloromethane	ND ug	g/kg	6.9	1		05/06/10 19 07	74-97-5	
Bromodichloromethane	ND ug	g/kg	6.9	1		05/06/10 19.07	75-27-4	
Bromoform	ND uç	g/kg	6.9	1		05/06/10 19:07	75-25-2	
Bromomethane	ND ug	g/kg	6.9	1		05/06/10 19.07	74-83-9	
TOTAL BTEX	ND uş	g/kg	41.3	1		05/06/10 19:07		
2-Butanone (MEK)	62.9 ug	g/kg	13.8	1		05/06/10 19:07	78-93 - 3	
n-Butylbenzene	ND ug	g/kg	6.9	1		05/06/10 19:07	104-51-8	
sec-Butylbenzene	ND ug	g/kg	6.9	1		05/06/10 19:07	135-98-8	
Carbon disulfide	8.4 ug	g/kg	69	1		05/06/10 19:07	75-15-0	
Carbon tetrachloride	ND us	g/kg	6.9	1		05/06/10 19:07	56-23-5	
Chlorobenzene	ND us	g/kg	6.9	1		05/06/10 19:07	108-90-7	
Chloroethane	ND us	g/kg	6.9	1		05/06/10 19:07	75-00-3	
Chloroform	ND u	g/kg	6.9	1		05/06/10 19.07	67-66-3	
Chloromethane	ND us	g/kg	6.9	1		05/06/10 19.07	74-87-3	
Dibromochloromethane	ND u	g/kg	6.9	1		05/06/10 19.07	124-48-1	
1,2-Dichlorobenzene	ND u	g/kg	6.9	1		05/06/10 19.07	95-50-1	
1,3-Dichlorobenzene	ND u		6.9	1		05/06/10 19.07		
1,4-Dichlorobenzene	ND u		6.9	1		05/06/10 19:07	106-46-7	
1,1-Dichloroethane	ND u		6 9	1		05/06/10 19:07	75-34-3	
1,2-Dichloroethane	ND u		6.9	1		05/06/10 19:07		
1,2-Dichloroethene (Total)	ND u		13 8	1		05/06/10 19:07		
1,1-Dichloroethene	ND u		6.9	1		05/06/10 19.07		
cis-1,2-Dichloroethene	ND u		6.9	1		05/06/10 19 07		
trans-1,2-Dichloroethene	ND u		6.9	1		05/06/10 19 07		
1,2-Dichloropropane	ND u		6.9	1		05/06/10 19.07		
cis-1,3-Dichloropropene	ND u		6.9	1		05/06/10 19:07		
trans-1,3-Dichloropropene	ND u		6.9	1		05/06/10 19:07		

Date. 06/16/2010 08 32 AM

REPORT OF LABORATORY ANALYSIS

Page 58 of 96

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CABOT-EPA 006444



(724)850-5600

ANALYTICAL RESULTS

Project.

2H/4H

Pace Project No.: 3027140

Sample: 2H/4H-8 Lab ID: 3027140021 Collected: 05/04/10 15:45 Received: 05/05/10 13:40 Matrix: Solid Results reported on a "dry-weight" basis DF CAS No. Parameters Results Units Report Limit Prepared Analyzed Qual 8260 MSV 5030 Low Level Analytical Method: EPA 8260 69 05/06/10 19:07 100-41-4 Ethylbenzene ND ug/kg 05/06/10 19 07 591-78-6 ND ug/kg 13 B 1 2-Hexanone ND ug/kg 69 05/06/10 19:07 98-82-8 Isopropylbenzene (Cumene) 1 69 05/06/10 19:07 99-87-6 p-Isopropyltoluene ND ug/kg 1 69 05/06/10 19:07 75-09-2 Methylene Chloride ND ug/kg 05/06/10 19.07 108-10-1 4-Methyl-2-pentanone (MIBK) ND ug/kg 13.8 ND ug/kg 05/06/10 19:07 1634-04-4 Methyl-tert-butyl ether 6.9 05/06/10 19.07 91-20-3 Naphthalene ND ug/kg 1 ND ug/kg 6.9 05/06/10 19.07 103-65-1 n-Propylbenzene 05/06/10 19:07 100-42-5 ND ug/kg 6.9 Styrene 1,1,2,2-Tetrachloroethane ND ug/kg 6.9 05/06/10 19 07 79-34-5 6.9 05/06/10 19:07 127-18-4 Tetrachloroethene ND ug/kg Toluene ND ug/kg 6.9 05/06/10 19.07 108-88-3 05/06/10 19:07 120-82-1 1.2.4-Trichlorobenzene ND ug/kg 6.9 1,1,1-Trichloroethane ND ug/kg 6.9 05/06/10 19.07 71-55-6 6.9 05/06/10 19:07 79-00-5 1,1,2-Trichloroethane ND ug/kg 1 Trichloroethene ND ug/kg 6.9 05/06/10 19.07 79-01-6 6.9 05/06/10 19:07 95-63-6 1,2,4-Trimethylbenzene 11.4 ug/kg 1,3,5-Trimethylbenzene ND ug/kg 6.9 05/06/10 19.07 108-67-8 ND ug/kg 6.9 05/06/10 19.07 75-01-4 Vinyl chloride Xylene (Total) ND ug/kg 20.6 05/06/10 19:07 1330-20-7 ND ug/kg m&p-Xylene 13.8 05/06/10 19 07 179601-23-1 o-Xylene ND ug/kg 6.9 05/06/10 19:07 95-47-6 Toluene-d8 (S) 95 % 70-130 05/06/10 19.07 2037-26-5 1 4-Bromofluorobenzene (S) 110 % 70-130 05/06/10 19:07 460-00-4 05/06/10 19.07 17060-07-0 1,2-Dichloroethane-d4 (S) 116 % 70-130 **Percent Moisture** Analytical Method: ASTM D2974-87 21.7 % 05/06/10 17:28 Percent Moisture 0 10 1 350.1 Ammonia Analytical Method. EPA 350.1 20.7 mg/kg 6.0 05/08/10 16.06 7664-41-7 Nitrogen, Ammonia

Date: 06/16/2010 08.32 AM

REPORT OF LABORATORY ANALYSIS

Page 59 of 96

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CABOT-EPA 006445



ANALYTICAL RESULTS

Project

2H/4H

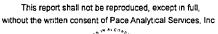
Pace Project No 3027140

Sample: 2H/4H-8 (ASTM)	Lab ID: 302	27140022	Collected: 05/04/1	0 15:45	Received: 05	/05/10 13:40 N	Matrix. Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
5540C MBAS Surfactants	Analytical Met	thod [.] SM 554	0C					
Surfactants	0.18 m	ıg/L	0.10	1		05/07/10 15:01		
4500 Chloride	Analytical Met	thod. SM 450	0-CI-E					
Chloride	11.1 m	g/L	3.0	1		05/08/10 11:31	16887-00-6	

Date: 06/16/2010 08 32 AM

REPORT OF LABORATORY ANALYSIS

Page 60 of 96





CABOT-EPA 006446



ANALYTICAL RESULTS

Project:

2H/4H

Pace Project No.:

3027140

Sample: 2H/4H-9

Lab ID: 3027140023

Collected: 05/04/10 16.00 Received: 05/05/10 13:40 Matrix: Solid

Results reported on a "dry-weight" basis

Comments • One internal standard recovery associated with the neat run of this sample exceed the lower control limit Results may be biased high. Reanalysis of the sample yielded similar results and all internals in the dilution were within limits. Suspect sample matrix.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No	Qual
6010 MET ICP	Analytical Meth-	od: EPA 60108	B Preparation Method	od. E	EPA 3050			
Aluminum	27500 mg.	/kg	33.1	1	05/06/10 19:05	05/07/10 14:38	7429-90-5	
Antimony	3.6 mg	•	1.7	1	05/06/10 19:05	05/07/10 14:38	7440-36-0	
Arsenic	15.6 mg	-	1.7	1	05/06/10 19:05	05/07/10 14:38	7440-38-2	
Barium	19600 mg	-	66.2	10	05/06/10 19:05	05/10/10 10:50	7440-39-3	
Beryllium	1.6 mg	-	0.66	1	05/06/10 19:05	05/07/10 14:38	7440-41-7	
Boron	ND mg	-	16.5	1	05/06/10 19:05	05/07/10 14.38	7440-42-8	
Cadmium	ND mg	-	0 66	1	05/06/10 19.05	05/07/10 14:38	7440-43-9	
Calcium	6390 mg	-	662	1	05/06/10 19:05	05/07/10 14.38	7440-70-2	
Chromium	42.1 mg	•	1.7	1	05/06/10 19.05	05/07/10 14:38	7440-47-3	
Cobalt	39.5 mg	•	3.3	1		05/07/10 14.38		
Copper	53.8 mg	-	3.3	1		05/07/10 14:38		
Iron	59500 mg	-	33.1	1		05/07/10 14:38		
Lead	86.5 mg	•	1.7	1		05/07/10 14:38		
Magnesium	10800 mg	•	165	1		05/07/10 14:38		
Manganese	739 mg	•	3.3	1		05/07/10 14:38		
Molybdenum	10.5 mg	_	6.6	1		05/07/10 14:38		
Nickel	62.4 mg	-	6.6	1		05/07/10 14:38		
Potassium	5020 mg	-	165	1		05/07/10 14:38		
Selenium	ND mg	-	1.7	1		05/07/10 14:38		
Silver	ND mg	•	0.66	1		05/07/10 14:38		
Sodium	_	•	1650	1		05/07/10 14:38		
Thallium	ND mg ND mg	-	6.6	1		05/07/10 14:38		
Vanadium	_	•	3.3	1		05/07/10 14:38		
Zinc	40.3 mg	•	3.3	1		05/07/10 14:38		
Zinc	157 mg	/kg	3.3	'	05/06/10 19.05	05/07/10 14.36	/440-00-0	
7471 Mercury	Analytical Meth	od: EPA 7471	Preparation Metho	d El	PA 7471			
Mercury	ND mg	J/kg	0.38	1	05/07/10 12:10	05/10/10 09:49	7439-97-6	
8270 MSSV FULL LIST MICROWAVE	Analytical Meth	nod: EPA 8270	Preparation Metho	d. El	PA 3546			
Acenaphthene	ND ug.	/kg	1320	1	05/06/10 16.43	05/11/10 14:45	83-32-9	
Acenaphthylene	ND ug.	/kg	1320	1	05/06/10 16:43	05/11/10 14:45	208-96-8	
Anthracene	ND ug	/kg	1320	1	05/06/10 16.43	05/11/10 14:45	120-12-7	
Azobenzene	ND ug.	/kg	1320	1	05/06/10 16:43	05/11/10 14:45	103-33-3	
Benzo(a)anthracene	ND ug	/kg	1320	1	05/06/10 16:43	05/11/10 14:45	56-55-3	
Benzo(a)pyrene	ND ug	/kg	1320	1	05/06/10 16.43	05/11/10 14:45	50-32-8	
Benzo(b)fluoranthene	ND ug	/kg	1320	1	05/06/10 16.43	05/11/10 14.45	205-99-2	
Benzo(g,h,i)perylene	ND ug	/kg	1320	1	05/06/10 16:43	05/11/10 14:45	191-24-2	
Benzo(k)fluoranthene	ND ug	-	1320	1	05/06/10 16.43	05/11/10 14:45	207-08-9	
Benzoic acid	ND ug	-	3310	1	05/06/10 16.43	05/11/10 14.45	65-85-0	
Benzyl alcohol	ND ug	-	1320	1	05/06/10 16:43	05/11/10 14:45	100-51-6	
4-Bromophenylphenyl ether	ND ug	-	1320	1		05/11/10 14.45		
Butylbenzylphthalate		-						
Dutyibelizyipitulalate	ND ug	/kg	1320	1	05/06/10 16:43	05/11/10 14:45	85-68-7	

Date: 06/16/2010 08.32 AM

REPORT OF LABORATORY ANALYSIS

Page 61 of 96

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CABOT-EPA 006447



ANALYTICAL RESULTS

Project.

Sample:

2H/4H

3027140

Pace Project No :

2H/4H-9 Lab ID: 3027140023

Collected: 05/04/10 16 00 Received: 05/05/10 13.40 Matrix: Solid

Results reported on a "dry-weight" basis

Comments

One internal standard recovery associated with the neat run of this sample exceed the lower control limit. Results may be biased high. Reanalysis of the sample yielded similar results and all internals in the dilution were within limits. Suspect sample matrix. Report Limit DF Prepared

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE	Analytical Meth	nod: EPA 827	0 Preparation Met	hod: EF	PA 3546			
4-Chloro-3-methylphenol	ND ug.	/kg	1320	1	05/06/10 16:43	05/11/10 14:45	59-50-7	
4-Chloroaniline	ND ug.	/kg	1320	1	05/06/10 16:43	05/11/10 14:45	106-47-8	
bis(2-Chloroethoxy)methane	ND ug.	/kg	1320	1	05/06/10 16:43	05/11/10 14:45	111-91-1	
bis(2-Chloroethyl) ether	ND ug.	/kg	1320	1	05/06/10 16:43	05/11/10 14:45	111-44-4	
bis(2-Chloroisopropyl) ether	ND ug.	/kg	1320	1	05/06/10 16:43	05/11/10 14:45	108-60-1	
2-Chloronaphthalene	ND ug.	/kg	1320	1	05/06/10 16:43	05/11/10 14:45	91-58-7	
2-Chloropheno!	ND ug.	/kg	1320	1	05/06/10 16:43	05/11/10 14:45	95-57-8	
4-Chlorophenylphenyl ether	ND ug.	/kg	1320	1	05/06/10 16:43	05/11/10 14:45	7005-72-3	
Chrysene	ND ug.	/kg	1320	1	05/06/10 16:43	05/11/10 14:45	218-01-9	
Dibenz(a,h)anthracene	ND ug.	/kg	1320	1	05/06/10 16:43	05/11/10 14:45	53-70-3	
Dibenzofuran	ND ug.	/kg	1320	1	05/06/10 16:43	05/11/10 14:45	132-64-9	
1,2-Dichlorobenzene	ND ug.	/kg	1320	1	05/06/10 16:43	05/11/10 14:45	95-50-1	
1,3-Dichlorobenzene	ND ug.	/kg	1320	1		05/11/10 14:45		
1,4-Dichlorobenzene	ND ug.	/kg	1320	1		05/11/10 14:45		
3,3'-Dichlorobenzidine	ND ug	/kg	1320	1	05/06/10 16:43	05/11/10 14:45	91-94-1	
2,4-Dichlorophenol	ND ug	/kg	1320	1		05/11/10 14:45		
Diethylphthalate	ND ug	/kg	1320	1		05/11/10 14:45		
2,4-Dimethylphenol	ND ug	_	1320	1		05/11/10 14:45		
Dimethylphthalate	ND ug	_	1320	1		05/11/10 14:45		
Di-n-butylphthalate	ND ug	•	1320	1		05/11/10 14:45		
4,6-Dinitro-2-methylphenol	ND ug	-	3310	1		05/11/10 14:45		
2,4-Dinitrophenol	ND ug	-	3310	1		05/11/10 14:45		
2,4-Dinitrotoluene	ND ug	_	1320	1		05/11/10 14:45		
2,6-Dinitrotoluene	ND ug	-	1320	1		05/11/10 14:45		
Di-n-octylphthalate	ND ug		1320	1		05/11/10 14:45		
bis(2-Ethylhexyl)phthalate	ND ug	-	1320	1		05/11/10 14:45		
Fluoranthene	ND ug	-	1320	1		05/11/10 14:45		
Fluorene	ND ug		1320	1		05/11/10 14:45		
Hexachloro-1,3-butadiene	ND ug		1320	1		05/11/10 14:45		
Hexachlorobenzene	ND ug	-	1320	1		05/11/10 14:45		
Hexachlorocyclopentadiene	ND ug	_	1320	1		05/11/10 14:45		
Hexachloroethane	ND ug	•	1320	1		05/11/10 14:45		
Indeno(1,2,3-cd)pyrene	ND ug	-	1320	1				
Isophorone	ND ug	_	1320	1		05/11/10 14:45 05/11/10 14:45		
1-Methylnaphthalene	ND ug	_	1320	1				
2-Methylnaphthalene	ND ug			1		05/11/10 14:45		
2-Methylphenol(o-Cresol)	-	-	1320			05/11/10 14:45		
3&4-Methylphenol(m&p Cresol)	ND ug	-	1320	1		05/11/10 14:45	95-48-7	
Naphthalene	ND ug	-	2640	1		05/11/10 14:45	04.00.0	
•	ND ug	-	1320	1		05/11/10 14:45		
2-Nitroantine	ND ug.	-	3310	1		05/11/10 14:45		
3-Nitroantine	ND ug	-	3310	1		05/11/10 14:45		
4-Nitroaniline	ND ug	-	3310	1		05/11/10 14:45		
Nitrobenzene	ND ug.	/kg	1320	1	05/06/10 16.43	05/11/10 14·45	98-95-3	

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REPORT OF LABORATORY ANALYSIS

Page 62 of 96

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CABOT-EPA 006448



ANALYTICAL RESULTS

Project

2H/4H

Pace Project No.: 3027140

Sample: 2H/4H-9 Lab ID: 3027140023 Collected: 05/04/10 16:00 Received: 05/05/10 13:40 Matrix: Solid

Results reported on a "dry-weight" basis

• One internal standard recovery associated with the neat run of this sample exceed the lower control limit. Results may be biased high. Reanalysis of the sample yielded similar results and all internals in the dilution were within limits. Suspect sample matrix.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE	Analytical Meth	od: EPA 827	0 Preparation Meth	nod: EF	A 3546			
2-Nitrophenol	ND ug/	'kg	1320	1	05/06/10 16:43	05/11/10 14:45	88-75-5	
4-Nitrophenol	ND ug/	kg .	1320	1	05/06/10 16:43	05/11/10 14 45	100-02-7	
N-Nitrosodimethylamine	ND ug/	′kg	1320	1	05/06/10 16:43	05/11/10 14:45	62-75-9	
N-Nitroso-di-n-propylamine	ND ug/	'kg	1320	1	05/06/10 16:43	05/11/10 14:45	621-64-7	
N-Nitrosodiphenylamine	ND ug/	-	1320	1	05/06/10 16.43	05/11/10 14:45	86-30 - 6	
Pentachlorophenol	ND ug/	_	3310	1	05/06/10 16:43	05/11/10 14:45	87-86 - 5	
Phenanthrene	ND ug/	-	1320	1		05/11/10 14.45		
Phenol	ND ug	-	1320	1		05/11/10 14:45		
Pyrene	ND ug	_	1320	1		05/11/10 14 45		
1,2,4-Trichlorobenzene	ND ug	-	1320	1		05/11/10 14:45		
2,4,5-Trichlorophenol	ND ug	-	3310	1		05/11/10 14:45		
2,4,6-Trichlorophenol	ND ug	-	1320	1		05/11/10 14:45		
Nitrobenzene-d5 (S)	61 %	n's	35-114	1		05/11/10 14:45		
, ,	69 %			1		05/11/10 14:45		
2-Fluorobiphenyl (S)			43-116					
Terphenyl-d14 (S)	81 %		33-141	1		05/11/10 14:45		
Phenol-d6 (S)	57 %		10-110	1		05/11/10 14:45		
2-Fluorophenol (S)	55 %		21-110	1		05/11/10 14:45		
2,4,6-Tribromophenol (S)	71 %		10-123	1	05/06/10 16:43	05/11/10 14 45	118-79-6	
8260 MSV 5030 Low Level	Analytical Meth	od. EPA 826	0					
Acetone	ND ug.	/kg	4170	50		05/10/10 15:09	67-64-1	
Benzene	ND ug	/kg	33.4	1		05/10/10 12.30	71-43-2	
Bromochloromethane	ND ug	/kg	33.4	1		05/10/10 12:30	74-97-5	
Bromodichloromethane	ND ug	/kg	33.4	1		05/10/10 12:30	75-27-4	
Bromoform	ND ug	/kg	33.4	1		05/10/10 12:30	75-25-2	
Bromomethane	ND ug	/kg	33.4	1		05/10/10 12:30	74-83-9	
TOTAL BTEX	599 ug	/kg	201	1		05/10/10 12.30		
2-Butanone (MEK)	167 ug	-	66.8	1		05/10/10 12:30	78-93-3	
n-Butylbenzene	71.2 ug	•	33.4	1		05/10/10 12:30	104-51-8	
sec-Butylbenzene	65.6 ug	-	33.4	1		05/10/10 12:30		
Carbon disulfide	263 ug	_	33.4	1		05/10/10 12:30		
Carbon tetrachloride	ND ug	_	33.4	1		05/10/10 12:30		
Chlorobenzene	ND ug	-	33 4	1		05/10/10 12:30		
Chloroethane	ND ug		33.4	1		05/10/10 12:30		
Chloroform	ND ug		33.4	1		05/10/10 12:30		
Chloromethane	•	•	33.4	1				
	ND ug	-		1		05/10/10 12:30		
Dibromochloromethane	ND ug	-	33.4			05/10/10 12:30		
1,2-Dichlorobenzene	ND ug	-	33.4	1		05/10/10 12 30		
1,3-Dichlorobenzene	ND ug	-	33 4	1		05/10/10 12:30		
1,4-Dichlorobenzene	ND ug	-	33.4	1		05/10/10 12:30		
1,1-Dichloroethane	ND ug	-	33.4	1		05/10/10 12:30		
1,2-Dichloroethane	ND ug	•	33.4	1		05/10/10 12:30		
1,2-Dichloroethene (Total)	ND ug	/kg	66.8	1		05/10/10 12:30	540-59-0	

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REPORT OF LABORATORY ANALYSIS

Page 63 of 96

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CABOT-EPA 006449



ANALYTICAL RESULTS

Project:

2H/4H

Pace Project No.: 3027140

Sample: 2H/4H-9 Lab ID: 3027140023 Collected: 05/04/10 16:00 Received: 05/05/10 13.40 Matrix: Solid

Results reported on a "dry-weight" basis

• One internal standard recovery associated with the neat run of this sample exceed the lower control limit. Results may be biased high. Reanalysis of the sample yielded similar results and all internals in the dilution were within limits. Suspect sample matrix.

5 ,					•	•	
Parameters	Results Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5030 Low Level	Analytical Method: EPA 8260						
1,1-Dichloroethene	ND ug/kg	33.4	1		05/10/10 12·30	75-35-4	
cis-1,2-Dichloroethene	ND ug/kg	33 4	1		05/10/10 12·30	156-59-2	
trans-1,2-Dichloroethene	ND ug/kg	33.4	1		05/10/10 12 30	156-60-5	
1,2-Dichloropropane	ND ug/kg	33.4	1		05/10/10 12:30	78-87-5	
cis-1,3-Dichloropropene	ND ug/kg	33.4	1		05/10/10 12:30	10061-01-5	
trans-1,3-Dichloropropene	ND ug/kg	33 4	1		05/10/10 12.30	10061-02-6	
Ethylbenzene	72.0 ug/kg	33 4	1		05/10/10 12 ⁻ 30	100-41-4	
2-Hexanone	ND ug/kg	66 8	1		05/10/10 12:30	591-78-6	
Isopropylbenzene (Cumene)	47.6 ug/kg	33 4	1		05/10/10 12:30	98-82-8	
p-Isopropyltoluene	190 ug/kg	33 4	1		05/10/10 12:30	99-87-6	
Methylene Chloride	ND ug/kg	33 4	1		05/10/10 12.30	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/kg	66.8	1		05/10/10 12:30	108-10-1	
Methyl-tert-butyl ether	ND ug/kg	33.4	1		05/10/10 12:30	1634-04-4	
Naphthalene	116 ug/kg	33.4	1		05/10/10 12.30	91-20-3	
n-Propylbenzene	96.6 ug/kg	33.4	1		05/10/10 12:30	103-65-1	
Styrene	ND ug/kg	33.4	1		05/10/10 12:30	100-42-5	
1,1,2,2-Tetrachloroethane	ND ug/kg	33.4	1		05/10/10 12:30		
Tetrachloroethene	211 ug/kg	33.4	1		05/10/10 12:30	127-18-4	
Toluene	43.1 ug/kg	33.4	1		05/10/10 12:30	108-88-3	
1,2,4-Trichlorobenzene	ND ug/kg	33.4	1		05/10/10 12:30	120-82-1	
1,1,1-Trichloroethane	ND ug/kg	33.4	1		05/10/10 12:30	71-55-6	
1,1,2-Trichloroethane	ND ug/kg	33.4	1		05/10/10 12:30	79-00-5	
Trichloroethene	ND ug/kg	33.4	1		05/10/10 12:30	79-01-6	
1,2,4-Trimethylbenzene	940 ug/kg	33.4	1		05/10/10 12:30		
1,3,5-Trimethylbenzene	350 ug/kg	33.4	1		05/10/10 12:30		
Vinyl chloride	ND ug/kg	33.4	1		05/10/10 12:30		
Xylene (Total)	484 ug/kg	100	1		05/10/10 12:30		
m&p-Xylene	312 ug/kg	66.8	1		05/10/10 12:30		
o-Xylene	172 ug/kg	33.4	1		05/10/10 12:30		
Toluene-d8 (S)	108 %	70-130	1		05/10/10 12:30		
4-Bromofluorobenzene (S)	136 %	70-130	1		05/10/10 12:30		
1,2-Dichloroethane-d4 (S)	105 %	70-130	1		05/10/10 12:30		
Percent Moisture	Analytical Method ASTM D2	974-87					
Percent Moisture	74.8 %	0 10	1		05/06/10 17:29		
350.1 Ammonia	Analytical Method. EPA 350	1					
Nitrogen, Ammonia	163 mg/kg	19.2	1		05/08/10 16 07	7664-41-7	

Date. 06/16/2010 08:32 AM

REPORT OF LABORATORY ANALYSIS

Page 64 of 96

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CABOT-EPA 006450



ANALYTICAL RESULTS

Project: 2H/4H

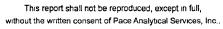
Pace Project No.: 3027140

Sample: 2H/4H-9 (ASTM)	Lab ID: 30:	27140024	Collected: 05/04/	10 16:00	Received C	05/05/10 13 40	Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No	Qual
5540C MBAS Surfactants	Analytical Me	thod: SM 554	40C					
Surfactants	ND m	ıg/L	0.10	1		05/07/10 15.0	1	
4500 Chloride	Analytical Me	thod: SM 450	00-CI-E					
Chloride	3.5 n	ng/L	3.0	1		05/08/10 11.3	2 16887-00-6	

Date. 06/16/2010 08:32 AM

REPORT OF LABORATORY ANALYSIS

Page 65 of 96





CABOT-EPA 006451



QUALITY CONTROL DATA

Project:

2H/4H

Pace Project No.:

3027140

QC Batch:

MPRP/3802

Analysis Method:

EPA 6010B

QC Batch Method:

EPA 3050

Analysis Description:

6010 MET

Associated Lab Samples:

3027140001, 3027140003, 3027140005, 3027140007, 3027140009, 3027140011, 3027140013, 3027140015, 3027140017, 3027140019, 3027140021, 3027140023

METHOD BLANK: 167246

Associated Lab Samples:

3027140001, 3027140003, 3027140005, 3027140007, 3027140009, 3027140011, 3027140013, 3027140015, 3027140017, 3027140019, 3027140021, 3027140023

		Blank	Reporting		
Parameter	Units	Result	Limit	Analyzed	Qualifiers
Aluminum	mg/kg	ND	10 0	05/07/10 13:22	
Antimony	mg/kg	ND	0 50	05/07/10 13.22	
Arsenic	mg/kg	ND	0 50	05/07/10 13:22	
Barium	mg/kg	ND	2.0	05/07/10 13:22	
Beryllium	mg/kg	ND	0.20	05/07/10 13:22	
Boron	mg/kg	ND	5.0	05/07/10 13:22	
Cadmium	mg/kg	ND	0.20	05/07/10 13:22	
Calcium	mg/kg	ND	200	05/07/10 13:22	
Chromium	mg/kg	ND	0.50	05/07/10 13:22	
Cobalt	mg/kg	ND	1.0	05/07/10 13:22	
Copper	mg/kg	ND	10	05/07/10 13:22	
Iron	mg/kg	ND	10.0	05/07/10 13:22	
Lead	mg/kg	ND	0.50	05/07/10 13:22	
Magnesium	mg/kg	ND	50.0	05/07/10 13:22	
Manganese	mg/kg	ND	1.0	05/07/10 13:22	
Molybdenum	mg/kg	ND	20	05/07/10 13:22	
Nickel	mg/kg	ND	2.0	05/07/10 13:22	
Potassium	mg/kg	ND	50.0	05/07/10 13:22	
Selenium	mg/kg	ND	0.50	05/07/10 13:22	
Silver	mg/kg	ND	0.20	05/07/10 13:22	
Sodium	mg/kg	ND	500	05/07/10 13:22	
Thallium	mg/kg	ND	2.0	05/07/10 13:22	
Vanadium	mg/kg	ND	1.0	05/07/10 13:22	
Zinc	mg/kg	ND	1.0	05/07/10 13:22	

LABORATORY CONTROL SAMPLE: 167247

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum	mg/kg	500	453	91	80-120	
Antimony	mg/kg	50	46.7	93	80-120	
Arsenic	mg/kg	50	44.7	89	80-120	
Barium	mg/kg	50	49.3	9 9	80-120	
Beryllium	mg/kg	50	47.2	94	80-120	
Boron	mg/kg	50	45.0	90	80-120	
Cadmium	mg/kg	50	47.0	94	80-120	
Calcium	mg/kg	500	465	93	80-120	
Chromium	mg/kg	50	47.6	95	80-120	
Cobalt	mg/kg	50	47 0	94	80-120	
Copper	mg/kg	50	49.2	98	80-120	
Iron	ma/ka	500	472	94	80-120	

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REPORT OF LABORATORY ANALYSIS

Page 66 of 96

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CABOT-EPA 006452

DIM0227685 DIM0227454



QUALITY CONTROL DATA

Project⁻

2H/4H

Pace Project No.: 3027140

LABORATORY CONTROL SAMPLE:	167247					
Parameter	Units	Spike Conc	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	mg/kg	50	47.7	95	80-120	
Magnesium	mg/kg	500	470	94	80-120	
Manganese	mg/kg	50	47 9	96	80-120	
Molybdenum	mg/kg	50	49.2	98	80-120	
lickel	mg/kg	50	47.5	95	80-120	
otassium	mg/kg	500	440	88	80-120	
elenium	mg/kg	5 0	41.9	84	80-120	
ilver	mg/kg	25	23.8	95	80-120	
odium	mg/kg	500	469J	94	80-120	
hallium	mg/kg	50	48.1	96	80-120	
anadium	mg/kg	50	47.3	95	80-120	
linc	mg/kg	50	44 8	90	80-120	

MATRIX SPIKE SAMPLE:	167249						
		3027140001	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
Aluminum	mg/kg	12000	380	12100	39	80-120	M1
Antimony	mg/kg	0.55	38	16 4	42	80-120	M1
Arsenic	mg/kg	4.2	38	32.6	75	80-120	M1
Barium	mg/kg	506	38	781	724	80-120	M1
Beryllium	mg/kg	0.46	38	31.1	81	80-120	
Boron	mg/kg	ND	38	32.8	76	80-120	M1
Cadmium	mg/kg	ND	38	28.5	75	80-120	M1
Calcium	mg/kg	2490	380	6100	950	80-120	M1
Chromium	mg/kg	13.9	38	44.8	81	80-120	
Cobalt	mg/kg	12. 0	38	40.6	75	80-120	M1
Copper	mg/kg	26.5	38	52.1	67	80-120	M1
lron .	mg/kg	24700	380	25000	78	80-120	M1
Lead	mg/kg	1.6	38	32.6	81	80-120	
Magnesium	mg/kg	4840	380	5080	63	80-120	M1
Manganese	mg/kg	373	38	331	-110	80-120	M1
Molybdenum	mg/kg	ND	38	31.3	82	80-120	
Nickel	mg/kg	21.1	38	51.1	79	80-120	M1
Potassium	mg/kg	1940	380	2040	27	80-120	M1
Selenium	mg/kg	ND	38	26.6	70	80-120	M1
Silver	mg/kg	ND	19	15.6	82	80-120	
Sodium	mg/kg	ИD	380	418	84	80-120	
Thallium	mg/kg	ND	38	31.4	83	80-120	
Vanadium	mg/kg	13 7	38	44 5	81	80-120	
Zinc	mg/kg	59.4	38	83.1	63	80-120	

SAMPLE DUPLICATE: 167248

3027140001 Dup RPD Parameter Units Result Result Qualifiers 12000 Aluminum mg/kg 10600 12

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REPORT OF LABORATORY ANALYSIS

Page 67 of 96

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CABOT-EPA 006453



QUALITY CONTROL DATA

Project:

2H/4H

Pace Project No.: 3027140

		3027140001	Dup		
Parameter	Units	Result	Result	RPD	Qualifiers
Antimony	mg/kg	0.55	0.37	39 R	₹1
Arsenic	mg/kg	4.2	3.2	28 F	₹1
Barium	mg/kg	506	874	53 F	₹1
Beryllium	mg/kg	0.46	0.43	6	
Boron	mg/kg	ND	3.7		
Cadmium	mg/kg	ND	ND		
Calcium	mg/kg	2490	1890	27 F	₹1
Chromium	mg/kg	13.9	13.1	6	
Cobalt	mg/kg	12.0	11.7	3	
Copper	mg/kg	26.5	21.8	20	
Iron	mg/kg	24700	22100	11	
Lead	mg/kg	1.6	1.8	12	
Magnesium	mg/kg	4840	4470	8	
Manganese	mg/kg	373	266	34 F	₹1
Molybdenum	mg/kg	ND	ND		
Nickel	mg/kg	21.1	19.1	10	
Potassium	mg/kg	1940	1590	20	
Selenium	mg/kg	ND	ND		
Silver	mg/kg	ND	ND		
Sodium	mg/kg	ND	76.3J		
Thallium	mg/kg	ND	ND		
Vanadium	mg/kg	13 7	11.9	14	
Zinc	mg/kg	59 4	52.5	12	

Date: 06/16/2010 08.32 AM

REPORT OF LABORATORY ANALYSIS

Page 68 of 96

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CABOT-EPA 006454



QUALITY CONTROL DATA

Project:

2H/4H

Pace Project No.:

3027140

QC Batch: QC Batch Method.

MERP/1887

Analysis Method:

EPA 7471

EPA 7471

Analysis Description:

7471 Mercury

Associated Lab Samples.

3027140001, 3027140003, 3027140005, 3027140007, 3027140009, 3027140011, 3027140013, 3027140015, 3027140017, 3027140019, 3027140021, 3027140023

METHOD BLANK: 167420

Associated Lab Samples:

3027140001, 3027140003, 3027140005, 3027140007, 3027140009, 3027140011, 3027140013, 3027140015,

Limit

3027140017, 3027140019, 3027140021, 3027140023

Units

Units

Units

Blank

Reporting

Analyzed

Qualifiers

Parameter Mercury

mg/kg

Result

ND

0.10 05/10/10 09:21

LABORATORY CONTROL SAMPLE:

Parameter

167421

Spike Conc

LCS Result

.037J

LCS % Rec % Rec Limits

0.13

89

Qualifiers

MATRIX SPIKE SAMPLE:

Mercury

Mercury

Mercury

167423

mg/kg

mg/kg

mg/kg

3027140001 Result

.042

Spike Conc.

MS Result

MS % Rec

85-115

% Rec Limits

75-125

Qualifiers

SAMPLE DUPLICATE:

Parameter

Parameter

3027140001 Units Result

Dup Result

.0022J

ND

ND

RPD

Qualifiers

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CABOT-EPA 006455

Page 69 of 96



QUALITY CONTROL DATA

Project⁻

QC Batch

2H/4H

Pace Project No.:

3027140

OEXT/4834

Analysis Method:

EPA 8270

QC Batch Method

EPA 3546

Analysis Description:

8270 Solid MSSV Microwave

Associated Lab Samples:

3027140001, 3027140003, 3027140005, 3027140007, 3027140009, 3027140011, 3027140013, 3027140015, 3027140019, 3027140023

Matrix: Solid

METHOD BLANK: 166856 Associated Lab Samples:

 $3027140001,\,3027140003,\,3027140005,\,3027140007,\,3027140009,\,3027140011,\,3027140013,\,3027140015,\,3027140017,\,3027140019,\,3027140023$

		Blank	Reporting		
Parameter	Units	Result	Limit	Analyzed	Qualifiers
1,2,4-Trichlorobenzene	ug/kg	ND	333	05/07/10 11:38	
1,2-Dichlorobenzene	ug/kg	ND	333	05/07/10 11:38	
1,3-Dichlorobenzene	ug/kg	ND	333	05/07/10 11:38	
1,4-Dichlorobenzene	ug/kg	ND	333	05/07/10 11:38	
1-Methylnaphthalene	ug/kg	ND	333	05/07/10 11:38	
2,4,5-Trichlorophenol	ug/kg	ND	833	05/07/10 11:38	
2,4,6-Trichlorophenol	ug/kg	ND	333	05/07/10 11:38	
2,4-Dichlorophenol	ug/kg	ND	333	05/07/10 11:38	
2,4-Dimethylphenol	ug/kg	ND	333	05/07/10 11:38	
2,4-Dinitrophenol	ug/kg	ND	833	05/07/10 11:38	
2,4-Dinitrotoluene	ug/kg	ND	333	05/07/10 11:38	
2,6-Dinitrotoluene	ug/kg	ND	333	05/07/10 11:38	
2-Chloronaphthalene	ug/kg	ND	333	05/07/10 11:38	
2-Chlorophenol	ug/kg	ND	333	05/07/10 11:38	
2-Methylnaphthalene	ug/kg	ND	333	05/07/10 11:38	
2-Methylphenol(o-Cresol)	ug/kg	ND	333	05/07/10 11:38	
2-Nitroaniline	ug/kg	ND	833	05/07/10 11:38	
2-Nitrophenol	ug/kg	ND	333	05/07/10 11:38	
3&4-Methylphenol(m&p Cresol)	ug/kg	ND	666	05/07/10 11:38	
3,3'-Dichlorobenzidine	ug/kg	ND	333	05/07/10 11:38	
3-Nitroaniline	ug/kg	ND	833	05/07/10 11:38	
4,6-Dinitro-2-methylphenol	ug/kg	ND	833	05/07/10 11:38	
4-Bromophenylphenyl ether	ug/kg	ND	333	05/07/10 11:38	
4-Chloro-3-methylphenol	ug/kg	ND	333	05/07/10 11:38	
4-Chloroaniline	ug/kg	ND	333	05/07/10 11:38	
4-Chlorophenylphenyl ether	ug/kg	ND	333	05/07/10 11:38	
4-Nitroaniline	ug/kg	ND	833	05/07/10 11:38	
4-Nitrophenol	ug/kg	ND	333	05/07/10 11.38	
Acenaphthene	ug/kg	ND	333	05/07/10 11:38	
Acenaphthylene	ug/kg	ND	333	05/07/10 11:38	
Anthracene	ug/kg	ND	333	05/07/10 11:38	
Azobenzene	ug/kg	ND	333	05/07/10 11:38	
Benzo(a)anthracene	ug/kg	ND	333	05/07/10 11:38	
Benzo(a)pyrene	ug/kg	ND	333	05/07/10 11:38	
Benzo(b)fluoranthene	ug/kg	ND	333	05/07/10 11.38	
Benzo(g,h,i)perylene	ug/kg	ND	333	05/07/10 11:38	
Benzo(k)fluoranthene	ug/kg	ND	333	05/07/10 11.38	
Benzoic acid	ug/kg	ND	833	05/07/10 11:38	
Benzyl alcohol	ug/kg	ND	333	05/07/10 11:38	
bis(2-Chloroethoxy)methane	ug/kg	ND	333	05/07/10 11:38	
bis(2-Chloroethyl) ether	ug/kg	ND	333	05/07/10 11:38	

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REPORT OF LABORATORY ANALYSIS

Page 70 of 96

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CABOT-EPA 006456



QUALITY CONTROL DATA

Project:

2H/4H

Pace Project No:

3027140

METHOD BLANK: 166856

Matrix: Solid

Associated Lab Samples:

 $3027140001, 3027140003, 3027140005, 3027140007, 3027140009, 3027140011, 3027140013, 3027140015, \\ 3027140017, 3027140019, 3027140023$

		Blank	Reporting		
Parameter	Units	Result	Limit	Analyzed	Qualifiers
bis(2-Chloroisopropyl) ether	ug/kg	ND	333	05/07/10 11:38	
bis(2-Ethylhexyl)phthalate	ug/kg	ND	333	05/07/10 11:38	
Butylbenzylphthalate	ug/kg	ND	333	05/07/10 11:38	
Carbazole	ug/kg	ND	333	05/07/10 11:38	
Chrysene	ug/kg	ND	333	05/07/10 11:38	
Dı-n-butylphthalate	ug/kg	ND	333	05/07/10 11:38	
Di-n-octylphthalate	ug/kg	ND	333	05/07/10 11:38	
Dibenz(a,h)anthracene	ug/kg	ND	333	05/07/10 11:38	
Dibenzofuran	ug/kg	ND	333	05/07/10 11.38	
Diethylphthalate	ug/kg	ND	333	05/07/10 11:38	
Dimethylphthalate	ug/kg	ND	333	05/07/10 11:38	
Fluoranthene	ug/kg	ND	333	05/07/10 11:38	
Fluorene	ug/kg	ND	333	05/07/10 11:38	
Hexachloro-1,3-butadiene	ug/kg	ND	333	05/07/10 11:38	
Hexachlorobenzene	ug/kg	ND	333	05/07/10 11:38	
Hexachlorocyclopentadiene	ug/kg	ND	333	05/07/10 11:38	
Hexachloroethane	ug/kg	ND	333	05/07/10 11:38	
Indeno(1,2,3-cd)pyrene	ug/kg	ND	333	05/07/10 11:38	
Isophorone	ug/kg	ND	333	05/07/10 11:38	
N-Nitroso-di-n-propylamine	ug/kg	ND	333	05/07/10 11:38	
N-Nitrosodimethylamine	ug/kg	ND	333	05/07/10 11:38	
N-Nitrosodiphenylamine	ug/kg	ND	333	05/07/10 11:38	
Naphthalene	ug/kg	ND	333	05/07/10 11:38	
Nitrobenzene	ug/kg	ND	333	05/07/10 11:38	
Pentachlorophenol	ug/kg	ND	833	05/07/10 11:38	
Phenanthrene	ug/kg	ND	333	05/07/10 11:38	
Phenol	ug/kg	ND	333	05/07/10 11:38	
Pyrene	ug/kg	ND	333	05/07/10 11.38	
2,4,6-Tribromophenol (S)	%	52	10-123	05/07/10 11:38	
2-Fluorobiphenyl (S)	%	48	43-116	05/07/10 11:38	
2-Fluorophenol (S)	%	49	21-110	05/07/10 11:38	
Nitrobenzene-d5 (S)	%	36	35-114	05/07/10 11:38	
Phenol-d6 (S)	%	43	10-110	05/07/10 11:38	
Terphenyl-d14 (S)	%	50	33-141	05/07/10 11:38	

LABORATORY CONTROL SAMPLE:	166857					
December	I I d -	Spike	LCS	LCS	% Rec	0
Parameter	Units	Conc.	Result	% Rec	Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/kg	3330	1790	54	43-120	
1,2-Dichlorobenzene	ug/kg		ND			
1,3-Dichlorobenzene	ug/kg		ND			
1,4-Dichlorobenzene	ug/kg	3330	1630	49	37-118	
1-Methylnaphthalene	ug/kg	3330	2000	60	40-140	
2,4,5-Trichlorophenol	ug/kg		ND			

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REPORT OF LABORATORY ANALYSIS

Page 71 of 96

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CABOT-EPA 006457



QUALITY CONTROL DATA

Project.

2H/4H

Pace Project No.. 3027140

LABORATORY CONTROL SAMPLE	E: 166857						
Parameter	Units	Spike Conc	LCS Result	LCS % Rec	% Rec Limits	Qualifiers	
				70 NBC	Litties	Qualifiers	
2,4,6-Trichlorophenol	ug/kg		ND				
2,4-Dichlorophenol	ug/kg		ND				
2,4-Dimethylphenol	ug/kg		ND				
2,4-Dinitrophenol	ug/kg		ND				
2,4-Dinitrotoluene	ug/kg	3330	1830	55	34-115		
2,6-Dinitrotoluene	ug/kg		ND				
2-Chioronaphthalene	ug/kg		ND				
2-Chlorophenol	ug/kg	3330	1760	53	40-140		
2-Methylnaphthalene	ug/kg	3330	1660	50	40-140		
2-Methylphenoi(o-Cresol)	ug/kg		ND				
2-Nitroaniline	ug/kg		ND				
2-Nitrophenol	ug/kg		ND				
3&4-Methylphenol(m&p Cresol)	ug/kg		ND				
3,3'-Dichlorobenzidine	ug/kg		ND				
3-Nitroaniline	u g/kg		ND				
4,6-Dinitro-2-methylphenol	u g/kg		ND				
4-Bromophenylphenyl ether	ug/kg		ND				
4-Chloro-3-methylphenol	ug/kg	3330	2130	64	42-130		
4-Chloroaniline	ug/kg		ND				
4-Chlorophenylphenyl ether	ug/kg		ND				
4-Nitroaniline	ug/kg		ND				
4-Nitrophenol	ug/kg	3330	1640	49	27-125		
Acenaphthene	ug/kg	3330	1690	51	48-114		
Acenaphthylene	ug/kg	3330	1740	52	40-140		
Anthracene	ug/kg	3330	1820	55	40-140		
Azobenzene	ug/kg		ND				
Benzo(a)anthracene	ug/kg	3330	1670	50	40-140		
Benzo(a)pyrene	ug/kg	3330	1850	56	40-140		
Benzo(b)fluoranthene	ug/kg	3330	1800	54	40-140		
Benzo(g,h,i)perylene	ug/kg	3330	2080	62	40-140		
Benzo(k)fluoranthene	ug/kg	3330	1710	51	40-140		
Benzoic acid	ug/kg		ND	٠.			
Benzyl alcohol	ug/kg		ND				
bis(2-Chloroethoxy)methane	ug/kg		ND				
bis(2-Chloroethyl) ether	ug/kg		ND				
bis(2-Chloroisopropyl) ether	ug/kg		ND				
bis(2-Ethylhexyl)phthalate	ug/kg		ND				
Butylbenzylphthalate	ug/kg		ND				
Carbazole	ug/kg		ND				
Chrysene	ug/kg ug/kg	3330	1660	50	40-140		
Di-n-butylphthalate	ug/kg ug/kg	3330	ND	50	+0-140		
Di-n-octylphthalate	ug/kg ug/kg		ND ND				
Dibenz(a,h)anthracene	ug/kg ug/kg	3330	2200	66	40-140		
Dibenz(a,n)anthracene Dibenzofuran		3330	2200 ND	00	40-140		
	ug/kg		ND ND				
Diethylphthalate	ug/kg						
Dimethylphthalate	ug/kg	2222	ND		40 440		
Fluoranthene	ug/kg	3330	1740	52	40-140		
Fluorene	ug/kg	3330	1790	54	40-140		

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REPORT OF LABORATORY ANALYSIS

Page 72 of 96

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CABOT-EPA 006458



QUALITY CONTROL DATA

Project

2H/4H

Pace Project No.: 3027140

LABORATORY CONTROL SAMPLE:	166857					
		Spike	LCS	LCS	% Rec	
Parameter	Units	Conc.	Result	% Rec	Limits	Qualifiers
Hexachloro-1,3-butadiene	ug/kg		ND			
Hexachlorobenzene	ug/kg		ND			
lexachlorocyclopentadiene	ug/kg		ND			
lexachloroethane	ug/kg		ND			
Indeno(1,2,3-cd)pyrene	ug/kg	3330	2060	62	40-140	
sophorone	ug/kg		ND			
N-Nıtroso-di-n-propylamine	ug/kg	3330	1820	55	43-126	
N-Nitrosodimethylamine	ug/kg		ND			
N-Nitrosodiphenylamine	ug/kg		ND			
Naphthalene	ug/kg	3330	1700	51	40-140	
Nitrobenzene	ug/kg		ND			
Pentachlorophenol	ug/kg	3330	1650	50	14-127	
Phenanthrene	ug/kg	3330	1760	53	40-140	
Phenol	ug/kg	3330	1610	48	39-120	
Pyrene	ug/kg	3330	1440	43	43-135	
2,4,6-Tribromophenol (S)	%			58	10-123	
2-Fluorobiphenyl (S)	%			52	43-116	
2-Fluorophenol (S)	%			44	21-110	
Nitrobenzene-d5 (S)	%			41	35-114	
Phenol-d6 (S)	%			50	10-110	
Terphenyl-d14 (S)	%			52	33-141	

MATRIX SPIKE & MATRIX SF	THE DUPLICAT	E 16685	MS	MSD	166859						
	30	027140003	Spike	Spike	MS	MSD	MS	MSD	% Rec		
Parameter	Units	Result	Conc.	Conc	Result	Result	% Rec	% Rec	Limits	RPD	Qua
1,2,4-Trichlorobenzene	ug/kg	ND	3650	3680	3120	3330	86	91	43-120	7	
1,2-Dichlorobenzene	ug/kg	ND			ND	ND					
1,3-Dichtorobenzene	ug/kg	ND			ND	ND					
1,4-Dichlorobenzene	ug/kg	ND	3650	3680	2770	3110	76	84	37-118	11	
1-Methylnaphthalene	ug/kg	ND	3650	3680	3310	3400	91	92	40-140	3	
2,4,5-Trichlorophenol	ug/kg	ND			ND	ND					
2,4,6-Trichlorophenol	ug/kg	ND			ND	ND					
2,4-Dichlorophenol	ug/kg	ND			ND	ND					
2,4-Dimethylphenol	ug/kg	ND			ND	ND					
2,4-Dinitrophenol	ug/kg	ND			ND	ND					
2,4-Dinitrotoluene	ug/kg	ND	3650	3680	2650	2630	73	72	34-115	.5	
2,6-Dinitrotoluene	ug/kg	ND			ND	ND					
2-Chloronaphthalene	ug/kg	ND			ND	ND					
2-Chlorophenol	ug/kg	ND	3650	3680	2870	3110	79	85	40-140	8	
2-Methylnaphthalene	ug/kg	ND	3650	3680	2820	2940	77	80	40-140	4	
2-Methylphenol(o-Cresol)	ug/kg	ND			ND	ND					
2-Nitroaniline	ug/kg	ND			ND	ND					
2-Nitrophenol	ug/kg	ND			ND	ND					
3&4-Methylphenol(m&p Cresol)	ug/kg	ND			ND	ND					
3,3'-Dichlorobenzidine	ug/kg	ND			ND	ND					

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REPORT OF LABORATORY ANALYSIS

Page 73 of 96

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CABOT-EPA 006459



QUALITY CONTROL DATA

Project:

2H/4H

Pace Project No: 3027140

	MS		8	166859							
Parameter	30 Units	027140003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qua
3-Nitroaniline	ug/kg	ND		-	ND	ND					
4,6-Dinitro-2-methylphenol	ug/kg	ND			ND	ND					
4-Bromophenylphenyl ether	ug/kg	ND			ND	ND					
1-Chloro-3-methylphenol	ug/kg	ND	3650	3680	2930	3310	80	90	42-130	12	
4-Chloroaniline	ug/kg	ND			ND	ND					
4-Chlorophenylphenyl ether	ug/kg	ND			ND	ND					
1-Nitroaniline	ug/kg	ND			ND	ND					
I-Nitrophenol	ug/kg	ND	3650	3680	770	452	21	12	27-125	52	M0,R1
Acenaphthene	ug/kg	ND	3650	3680	2900	3070	80	83	48-114	6	
Acenaphthylene	ug/kg	ND	3650	3680	3040	3190	83	87	40-140	5	
Anthracene	ug/kg	ND	3650	3680	3170	3190	87	87	40-140	.7	
Azobenzene	ug/kg	ND			ND	ND	= *	= '			
Benzo(a)anthracene	ug/kg	ND	3650	3680	3080	3100	85	84	40-140	.5	
Benzo(a)pyrene	ug/kg	ND	3650	3680	3340	3250	92	88	40-140	3	
Benzo(b)fluoranthene	ug/kg	ND	3650	3680	3350	3350	92	91	40-140	.2	
Benzo(g,h,i)perylene	ug/kg	ND	3650	3680	2560	2590	70	70	40-140	1	
Benzo(k)fluoranthene	ug/kg	ND	3650	3680	3280	3360	90	91	40-140	2	
Benzoic acid	ug/kg	ND	0000	0000	ND	ND		Ψ,	10 170	_	
Benzyl alcohol	ug/kg	ND			ND	ND					
ois(2-Chloroethoxy)methane	ug/kg	ND			ND	ND					
bis(2-Chloroethyl) ether	ug/kg	ND			ND	ND					
bis(2-Chloroisopropyl) ether	ug/kg	ND			ND	ND					
ois(2-Ethylhexyl)phthalate	ug/kg ug/kg	ND			ND	ND					
Butylbenzylphthalate	ug/kg ug/kg	ND			ND	ND					
Carbazole	ug/kg ug/kg	ND			ND	ND					
Chrysene	ug/kg	ND	3650	3680	3110	3130	85	85	40-140	.6	
Di-n-butylphthalate		ND	3030	3000	ND	ND	00	65	40-140	.0	
	ug/kg ug/kg	ND			ND	ND					
Di-n-octylphthalate		ND	3650	2000			00	70	40.440	7	
Dibenz(a,h)anthracene Dibenzofuran	ug/kg	ND	3030	3680	2990 ND	2790 ND	82	76	40-140	7	
	ug/kg	ND									
Diethylphthalate	ug/kg	ND			ND	ND					
Dimethylphthalate	ug/kg	ND ND	2050	2000	ND 2040	ND 2000	0.4	64	40 440	_	
Fluoranthene	ug/kg	ND ND	3650	3680	2940	2990	81	81	40-140		
Fiuorene	ug/kg	ND ND	3650	3680	3050	3160	84	86	40-140	4	
Hexachloro-1,3-butadiene	ug/kg				ND	ND					
Hexachlorobenzene	ug/kg	ND			ND	ND					
Hexachlorocyclopentadiene	ug/kg	ND			ND	ND					
Hexachloroethane	ug/kg	ND			ND	ND					
Indeno(1,2,3-cd)pyrene	ug/kg	ND	3650	3680	2390	2710	66	74	40-140	12	
Isophorone	ug/kg	ND			ND	ND					
N-Nitroso-di-n-propylamine	ug/kg	ND	3650	3680	3110	3310	85	90	43-126	6	
N-Nitrosodimethylamine	ug/kg	ND			ND	ND					
N-Nitrosodiphenylamine	ug/kg	ND			ND	ND					
Naphthalene	ug/kg	ND	3650	3680	2950	3130	81	85	40-140	6	
Nitrobenzene	ug/kg	ND			ND	ND					
Pentachlorophenol	ug/kg	ND	3650	3680	ND	ND	0	0			MO
Phenanthrene	ug/kg	ND	3650	3680	3070	3120	84	85	40-140	2	

Date. 06/16/2010 08:32 AM

REPORT OF LABORATORY ANALYSIS

Page 74 of 96

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CABOT-EPA 006460



Pace Analytical Services, Inc.

1638 Roseytown Road - Suites 2,3,4 Greensburg, PA 15601

(724)850-5600

QUALITY CONTROL DATA

Project.

2H/4H

Pace Project No.: 3027140

MATRIX SPIKE & MATRIX SF	PIKE DUPLICAT	E: 16685	8		166859						
Parameter	3(Units	027140003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Phenol	ug/kg	ND	3650	3680	2570	2780	71	75	39-120	 8 -	
Pyrene	ug/kg	ND	3650	3680	2600	2720	71	74	43-135	4	
2,4,6-Tribramophenol (S)	%						35	26	10-123		
2-Fluorobiphenyl (S)	%						82	88	43-116		
2-Fluorophenol (S)	%						65	71	21-110		
Nitrobenzene-d5 (S)	%						69	74	35-114		
Phenol-d6 (S)	%						71	83	10-110		
Terphenyl-d14 (S)	%						88	91	33-141		

Date: 06/16/2010 08:32 AM

REPORT OF LABORATORY ANALYSIS

Page 75 of 96

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CABOT-EPA 006461



QUALITY CONTROL DATA

Project:

2H/4H

Pace Project No.:

3027140

QC Batch:

OEXT/4872

Analysis Method:

EPA 8270

QC Batch Method:

EPA 3546

Analysis Description:

8270 Solid MSSV Microwave

Associated Lab Samples: 3027140021

METHOD BLANK: 168409

Matrix Solid

Associated Lab Samples: 3027140021

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trichlorobenzene	ug/kg	ND -	333	05/12/10 13:53	
1,2-Dichlorobenzene	ug/kg	ND	333	05/12/10 13:53	
1,3-Dichlorobenzene	ug/kg	ND	333	05/12/10 13.53	
1,4-Dichlorobenzene	ug/kg	ND	333	05/12/10 13:53	
1-Methylnaphthalene	ug/kg	ND	333	05/12/10 13:53	
2,4,5-Trichlorophenol	ug/kg	ND	833	05/12/10 13:53	
2,4,6-Trichlorophenol	ug/kg	ND	333	05/12/10 13:53	
2,4-Dichlorophenol	ug/kg	ND	333	05/12/10 13:53	
2,4-Dimethylphenol	ug/kg	ND	333	05/12/10 13:53	
2,4-Dinitrophenol	ug/kg	ND	833	05/12/10 13 53	
2,4-Dinitrotoluene	ug/kg	ND	333	05/12/10 13:53	
2,6-Dinitrotoluene	ug/kg	ND	333	05/12/10 13:53	
2-Chloronaphthalene	ug/kg	ND	333	05/12/10 13:53	
2-Chlorophenol	ug/kg	ND	333	05/12/10 13:53	
2-Methylnaphthalene	ug/kg	ND	333	05/12/10 13:53	
2-Methylphenol(o-Cresol)	ug/kg	ND	333	05/12/10 13:53	
2-Nitroaniline	ug/kg	ND	833	05/12/10 13:53	
2-Nitrophenol	ug/kg	ND	333	05/12/10 13:53	
3&4-Methylphenol(m&p Cresol)	ug/kg	ND	666	05/12/10 13:53	
3,3'-Dichlorobenzidine	ug/kg	ND	333	05/12/10 13:53	
3-Nitroaniline	ug/kg	ND	833	05/12/10 13:53	
4,6-Dinitro-2-methylphenol	ug/kg	ND	833	05/12/10 13:53	
4-Bromophenylphenyl ether	ug/kg	ND	333	05/12/10 13 53	
4-Chloro-3-methylphenol	ug/kg	ND	333	05/12/10 13:53	
4-Chloroaniline	ug/kg	ND.	333	05/12/10 13.53	
4-Chlorophenylphenyl ether	ug/kg	ND	333	05/12/10 13:53	
4-Nitroaniline	ug/kg	ND	833	05/12/10 13:53	
4-Nitrophenol	ug/kg	ND	333	05/12/10 13:53	
Acenaphthene	ug/kg	ND	333	05/12/10 13:53	
Acenaphthylene	ug/kg	ND ND	333	05/12/10 13.53	
Anthracene	ug/kg	ND	333	05/12/10 13:53	
Azobenzene	ug/kg	ND	333	05/12/10 13.53	
Benzo(a)anthracene	ug/kg	ND ND	333	05/12/10 13:53	
Benzo(a)pyrene	ug/kg	ND	333		
Benzo(b)fluoranthene	ug/kg	ND ND	333		
Benzo(g,h,ı)perylene	ug/kg ug/kg	ND	333		
Benzo(k)fluoranthene	ug/kg	ND	333		
Benzoic acid	ug/kg	ND	833		
Benzyl alcohol	ug/kg	ND ND	333		
bis(2-Chloroethoxy)methane	ug/kg	ND	333		
bis(2-Chloroethyl) ether	ug/kg	ND	333		
bis(2-Chloroisopropyl) ether	ug/kg	ND ND	333	05/12/10 13:53	
to C The leaves the late	ug/ng	110	333	00/12/10 10 00	

bis(2-Ethylhexyl)phthalate Date: 06/16/2010 08:32 AM ug/kg

REPORT OF LABORATORY ANALYSIS

333 05/12/10 13:53

ND

Page 76 of 96

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CABOT-EPA 006462



QUALITY CONTROL DATA

Project.

2H/4H

Pace Project No.: 3027140

METHOD BLANK 168409

Associated Lab Samples: 3027140021

Matrix: Solid

		Blank	Reporting		
Parameter	Units	Result	Limit	Analyzed	Qualifiers
Butylbenzylphthalate	ug/kg	ND	333	05/12/10 13:53	
Carbazole	ug/kg	ND	333	05/12/10 13.53	
Chrysene	ug/kg	ND	333	05/12/10 13:53	
Di-n-butylphthalate	ug/kg	ND	333	05/12/10 13.53	
Di-n-octylphthalate	ug/kg	ND	333	05/12/10 13:53	
Dibenz(a,h)anthracene	ug/kg	ND	333	05/12/10 13:53	
Dibenzofuran	ug/kg	ND	333	05/12/10 13:53	
Diethylphthalate	ug/kg	ND	333	05/12/10 13:53	
Dimethylphthalate	ug/kg	ND	333	05/12/10 13:53	
Fluoranthene	ug/kg	ND	333	05/12/10 13:53	
Fluorene	ug/kg	ND	333	05/12/10 13:53	
Hexachloro-1,3-butadiene	ug/kg	ND	333	05/12/10 13.53	
Hexachlorobenzene	ug/kg	ND	333	05/12/10 13:53	
Hexachlorocyclopentadiene	ug/kg	ND	333	05/12/10 13:53	
Hexachloroethane	ug/kg	ND	333	05/12/10 13:53	
Indeno(1,2,3-cd)pyrene	ug/kg	ND	333	05/12/10 13:53	
Isophorone	ug/kg	ND	333	05/12/10 13:53	
N-Nitroso-di-n-propylamine	ug/kg	ND	333	05/12/10 13:53	
N-Nitrosodimethylamine	ug/kg	ND	333	05/12/10 13.53	
N-Nitrosodiphenylamine	ug/kg	ND	333	05/12/10 13:53	
Naphthalene	ug/kg	ND	333	05/12/10 13:53	
Nitrobenzene	ug/kg	ND	333	05/12/10 13:53	
Pentachlorophenol	ug/kg	ND	833	05/12/10 13:53	
Phenanthrene	ug/kg	ND	333	05/12/10 13:53	
Phenol	ug/kg	ND	333	05/12/10 13:53	
Pyrene	ug/kg	ND	333	05/12/10 13:53	
2,4,6-Tribromophenol (S)	%	80	10-123	05/12/10 13:53	
2-Fluorobiphenyl (S)	%	76	43-116	05/12/10 13:53	
2-Fluorophenol (S)	%	71	21-110	05/12/10 13:53	
Nitrobenzene-d5 (S)	%	62	35-114	05/12/10 13:53	
Phenol-d6 (S)	%	70	10-110	05/12/10 13:53	
Terphenyl-d14 (S)	%	81	33-141	05/12/10 13:53	

LABORATORY CONTROL SAM	MPLE: 168410					
Parameter	Units	Spike Conc	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/kg	3330	2920	88	43-120	
1,2-Dichlorobenzene	ug/kg		ND			
1,3-Dichlorobenzene	ug/kg		ND			
1,4-Dichlorobenzene	ug/kg	3330	2700	81	37-118	
1-Methylnaphthalene	ug/kg	3330	3210	96	40-140	
2,4,5-Trichlorophenol	ug/kg		ND			
2,4,6-Trichlorophenol	ug/kg		ND			
2,4-Dichlorophenol	ug/kg		ND			
2,4-Dimethylphenol	ug/kg		ND			

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REPORT OF LABORATORY ANALYSIS

Page 77 of 96

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CABOT-EPA 006463



QUALITY CONTROL DATA

Project⁻

2H/4H

Pace Project No: 3027140

LABORATORY CONTROL SAMPLE	: 168410	• "			~ 5	
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,4-Dinitrophenol	ug/kg		ND			
2,4-Dinitrotoluene	ug/kg	3330	3080	92	34-115	
2,6-Dinitrotoluene	ug/kg		ND			
2-Chloronaphthalene	ug/kg		ND			
2-Chlorophenol	ug/kg	3330	2930	88	40-140	
-Methylnaphthalene	ug/kg	3330	2690	81	40-140	
2-Methylphenol(o-Cresol)	ug/kg		ND			
2-Nitroaniline	ug/kg		ND			
-Nitrophenol	ug/kg		ND			
3&4-Methylphenol(m&p Cresol)	ug/kg		ND			
3.3'-Dichlorobenzidine	ug/kg		ND			
3-Nitroaniline	ug/kg		ND			
1,6-Dinitro-2-methylphenol	ug/kg		ND			
4-Bromophenylphenyl ether	ug/kg		ND			
4-Chloro-3-methylphenol	ug/kg	3330	3500	105	42-130	
1-Chloroaniline	ug/kg		ND			
l-Chlorophenylphenyl ether	ug/kg		ND			
I-Nitroaniline	ug/kg		ND			
I-Nitropheno!	ug/kg	3330	2490	75	27-125	
cenaphthene	ug/kg	3330	2930	88	48-114	
Acenaphthylene	ug/kg	3330	3050	92	40-140	
Inthracene	ug/kg	3330	3120	94	40-140	
zobenzene	ug/kg	0000	ND	04	40 140	
enzo(a)anthracene	ug/kg	3330	3290	99	40-140	
enzo(a)pyrene	ug/kg	3330	3430	103	40-140	
enzo(b)fluoranthene	ug/kg	3330	3290	99	40-140	
enzo(g,h,i)perylene	ug/kg	3330	3230	97	40-140	
enzo(k)fluoranthene	ug/kg	3330	3200	96	40-140	
lenzoic acid	ug/kg	3330	ND	50	40-140	
Benzyl alcohol	ug/kg		ND			
is(2-Chloroethoxy)methane	ug/kg		ND ND			
ois(2-Chloroethyl) ether	ug/kg ug/kg		ND ND			
ois(2-Chloroisopropyl) ether	ug/kg		ND ND			
pis(2-Ethylhexyl)phthalate	ug/kg ug/kg		ND ND			
Butylbenzylphthalate	ug/kg ug/kg		ND ND			
Carbazole	ug/kg ug/kg		ND ND			
Chrysene	ug/kg ug/kg	3330	3190	96	40-140	
Di-n-butylphthalate	ug/kg ug/kg	3330	ND	90	40-140	
Di-n-octylphthalate	ug/kg ug/kg		ND ND			
Dienz(a,h)anthracene	ug/kg ug/kg	3330	3510	105	40 -140	
Dibenz(a,n)anthracene Dibenzofuran	ug/kg ug/kg	3330	ND	105	40-140	
			ND ND			
Diethylphthalate	ug/kg		ND ND			
Dimethylphthalate	ug/kg	2220		04	40-140	
Fluoranthene	ug/kg	3330	3030	91		
Fluorene	ug/kg	3330	3110 ND	93	40-140	
Hexachloro-1,3-butadiene	ug/kg		ND			
lexachlorobenzene	ug/kg		ND			
Hexachlorocyclopentadiene	ug/kg		ND			

Date: 06/16/2010 08 32 AM

REPORT OF LABORATORY ANALYSIS

Page 78 of 96

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CABOT-EPA 006464





QUALITY CONTROL DATA

Project:

2H/4H

Pace Project No.: 3027140

ABORATORY CONTROL SAMPLE:	168410			•		
		Spike	LCS	LCS	% Rec	
Parameter	Units	Conc.	Result	% Rec	Limits	Qualifiers
lexachloroethane	ug/kg		ND			
leno(1,2,3-cd)pyrene	ug/kg	3330	3400	102	40-140	
phorone	ug/kg		ND			
Nitroso-di-n-propylamine	ug/kg	3330	3160	95	43-126	
Nitrosodimethylamine	ug/kg		ND			
Nitrosodiphenylamine	ug/kg		ND			
aphthalene	ug/kg	3330	2790	84	40-140	
trobenzene	ug/kg		ND			
ntachlorophenol	ug/kg	3330	2490	75	14-127	
enanthrene	ug/kg	3330	3070	92	40-140	
enol	ug/kg	3330	2430	73	39-120	
rene	ug/kg	3330	2760	83	43-135	
1,6-Tribromophenol (S)	%			103	10-123	
Fluorobiphenyl (S)	%			91	43-116	
Fluorophenol (S)	%			79	21-110	
trobenzene-d5 (S)	%			74	35-114	
nenol-d6 (S)	%			86	10-110	
erphenyl-d14 (S)	%			100	33-141	

MATRIX SPIKE & MATRIX SPI	KE DUPLICAT	E: 16841	1		168412						
Parameter	30 Un its	027393001 Result	MS Spike Conc.	MSD Spike Conc	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qua
1,2,4-Trichlorobenzene	ug/kg	ND	3550	3570	3050	2730	86	76	43-120	11	
1,2-Dichlorobenzene	u g/kg	ND			ND	ND					
1,3-Dichlorobenzene	ug/kg	ND			ND	ND					
1,4-Dichlorobenzene	ug/kg	ND	3550	3570	2760	2360	78	6 6	37-118	16	
l-Methylnaphthalene	ug/kg	ND	3550	3570	3380	3000	95	84	40-140	12	
2,4,5-Trichlorophenol	ug/kg	ND			ND	ND					
2,4,6-Trichlorophenol	ug/kg	ND			ND	ND					
2,4-Dichlorophenol	ug/kg	ND			ND	ND					
2,4-Dimethylphenol	ug/kg	ND			ND	ND					
2,4-Dinitrophenol	ug/kg	ND			ND	ND					
2,4-Dinitrotoluene	ug/kg	ND	3550	3570	3120	3130	88	87	34-115	.3	
2,6-Dinitrotoluene	ug/kg	ND			ND	ND					
2-Chloronaphthalene	ug/kg	ND			ND	ND					
2-Chlorophenol	ug/kg	ND	3550	3570	3060	2610	86	73	40-140	16	
2-Methylnaphthalene	ug/kg	ND	3550	3570	2880	2550	81	71	40-140	12	
2-Methylphenol(o-Cresol)	ug/kg	ND			ND	ND					
2-Nitroaniline	ug/kg	ND			ND	ND					
2-Nitrophenol	ug/kg	ND			ND	ND					
3&4-Methylphenol(m&p Cresol)	ug/kg	ND			ND	ND					
3,3'-Dichlorobenzidine	ug/kg	ND			ND	ND					
3-Nitroaniline	ug/kg	ND			ND	ND					
4,6-Dinitro-2-methylphenol	ug/kg	ND			ND	ND					
4-Bromophenylphenyl ether	ug/kg	ND			ND	ND					

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REPORT OF LABORATORY ANALYSIS

Page 79 of 96

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CABOT-EPA 006465



QUALITY CONTROL DATA

Project.

2H/4H

Pace Project No.: 3027140

MATRIX SPIKE & MATRIX SPI	KE DUPLICATE	: 16841	1		168412						
			MS	MSD							
	30:	27393001	Spike	Spike	MS	MSD	MS	MSD	% Rec		
Parameter	Units	Result	Conc.	Conc.	Result	Result	% Rec	% Rec	Limits	RPD	Qua
1-Chloro-3-methylphenol	ug/kg	ND	3550	3570	3650	3260	103	91	42-130		
1-Chloroaniline	ug/kg	ND			ND	ND		•			
4-Chlorophenylphenyl ether	ug/kg	ND			ND	ND					
4-Nitroaniline	ug/kg	ND			ND	ND					
4-Nitrophenol	ug/kg	ND	3550	3570	2340	3050	66	85	27-125	27	
Acenaphthene	ug/kg	ND	3550	3570	3030	2780	8 5	78	48-114	8	
Acenaphthylene	ug/kg	ND	3550	3570	3160	2880	89	81	40-140	9	
Anthracene	ug/kg	ND	3550	3570	3250	3250	92	91	40-140	.09	
Azobenzene	ug/kg	ND			ND	ND					
Benzo(a)anthracene	ug/kg	ND	3550	3570	3290	3370	93	94	40-140	2	
Benzo(a)pyrene	ug/kg	ND	3550	3570	3340	3490	94	98	40-140	4	
Benzo(b)fluoranthene	ug/kg	ND	3550	3570	3310	3630	93	102	40-140	9	
Benzo(g,h,i)perylene	ug/kg	ND	3550	3570	2790	2780	79	78	40-140	.5	
Benzo(k)fluoranthene	ug/kg	ND	3550	3570	3290	3410	93	95	40-140	4	
Benzoic acid	ug/kg	ND			ND	ND	-				
Benzyl alcohol	ug/kg	ND			ND	ND					
bis(2-Chloroethoxy)methane	ug/kg	ND			ND	ND					
bis(2-Chloroethyl) ether	ug/kg	ND			ND	ND					
bis(2-Chloroisopropyl) ether	ug/kg	ND			ND	ND					
bis(2-Ethylhexyl)phthalate	ug/kg	ND			ND	ND					
Butylbenzylphthalate	ug/kg	ND			ND	ND					
Carbazole	ug/kg	ND			ND	ND					
Chrysene	ug/kg	ND	3550	3570	3200	3280	90	92	40-140	2	
Di-n-butylphthalate	ug/kg	ND			ND	ND					
Di-n-octylphthalate	ug/kg	ND			ND	ND					
Dibenz(a,h)anthracene	ug/kg	ND	3550	3570	3200	3120	90	87	40-140	3	
Dibenzofuran	ug/kg	ND			ND	ND					
Diethylphthalate	ug/kg	ND			ND	ND					
Dimethylphthalate	ug/kg	ND			ND	ND					
Fluoranthene	ug/kg	ND	3550	3570	3050	3220	86	90	40-140	6	
Fluorene	ug/kg	ND	3550	3570	3240	3060	91	86	40-140	6	
Hexachloro-1,3-butadiene	ug/kg	ND		_	ND	ND	-			-	
Hexachlorobenzene	ug/kg	ND			ND	ND					
Hexachlorocyclopentadiene	ug/kg	ND			ND	ND					
Hexachloroethane	ug/kg	ND			ND	ND					
Indeno(1,2,3-cd)pyrene	ug/kg	ND	3550	3570	3040	3000	85	84	40-140	1	
Isophorone	ug/kg	ND			ND	ND	30			•	
N-Nitroso-di-n-propylamine	ug/kg	ND	3550	3570	3190	2850	90	80	43-126	11	
N-Nitrosodimethylamine	ug/kg	ND	2003	20.0	ND	ND				•••	
N-Nitrosodiphenylamine	ug/kg	ND			ND	ND					
Naphthalene	ug/kg	ND	3550	3570	2960	2610	83	73	40-140	13	
Nitrobenzene	ug/kg	ND	5000	55.0	ND	ND			.5 1-70	10	
Pentachlorophenol	ug/kg	ND	3550	3570	2500	2520	70	70	14-127	.9	
Phenanthrene	ug/kg	ND	3550	3570	3140	3080	88	86	40-140	.5	
Phenol	ug/kg ug/kg	ND	3550	3570	2710	2270	76	64	39-120	17	
Pyrene	ug/kg ug/kg	ND	3550	3570	2800	2810	79	79	43-135	.2	
2,4,6-Tribromophenol (S)	%	,,,,	3330	3370	2000	2010	99	92	10-123	.2	

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REPORT OF LABORATORY ANALYSIS

Page 80 of 96

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CABOT-EPA 006466



QUALITY CONTROL DATA

Project.

2H/4H

Pace Project No.: 3027140

MATRIX SPIKE & MATRIX S	SPIKE DUPLICAT	E: 16841	1		168412						
Parameter	3i Units	027393001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
2-Fluorobiphenyl (S)	%				· 		85	78	43-116		
2-Fluorophenol (S)	%						75	60	21-110		
Nitrobenzene-d5 (S)	%						68	62	35-114		
Phenol-d6 (S)	%						82	68	10-110		
Terphenyl-d14 (S)	%						96	95	33-141		

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CABOT-EPA 006467

Page 81 of 96



QUALITY CONTROL DATA

Project:

QC Batch:

2H/4H

Pace Project No.: 3027140

MSV/5753

Analysis Method:

EPA 8260

QC Batch Method:

EPA 8260

Analysis Description:

8260 MSV 5035 Low

Associated Lab Samples:

3027140001, 3027140003, 3027140007, 3027140009, 3027140011, 3027140013, 3027140015, 3027140019,

3027140021

METHOD BLANK: 167283

Matrix: Solid

Associated Lab Samples:

3027140001, 3027140003, 3027140007, 3027140009, 3027140011, 3027140013, 3027140015, 3027140019,

3027140021

		Blank	Reporting		
Parameter	Units	Result	Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/kg	ND	5.0	05/06/10 13:52	
1,1,2,2-Tetrachloroethane	ug/kg	ND	5.0	05/06/10 13:52	
1,1,2-Trichloroethane	ug/kg	ND	5.0	05/06/10 13:52	
1,1-Dichloroethane	ug/kg	ND	5 0	05/06/10 13:52	
1,1-Dichloroethene	ug/kg	ND	5 0	05/06/10 13·52	
1,2,4-Trichlorobenzene	ug/kg	ND	5.0	05/06/10 13:52	
1,2,4-Trimethylbenzene	ug/kg	ND	5.0	05/06/10 13:52	
1,2-Dichlorobenzene	ug/kg	ND	5.0	05/06/10 13:52	
1,2-Dichloroethane	ug/kg	ND	5.0	05/06/10 13:52	
1,2-Dichloropropane	ug/kg	ND	5 0	05/06/10 13:52	
1,3,5-Trimethylbenzene	ug/kg	ND	5.0	05/06/10 13·52	
1,3-Dichlorobenzene	ug/kg	ND	5.0	05/06/10 13:52	
1,4-Dichlorobenzene	ug/kg	ND	5.0	05/06/10 13:52	
2-Butanone (MEK)	ug/kg	ND	10.0	05/06/10 13:52	
2-Hexanone	ug/kg	ND	10.0	05/06/10 13:52	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	10.0	05/06/10 13.52	
Acetone	ug/kg	ND	10 0	05/06/10 13.52	
Benzene	ug/kg	ND	5.0	05/06/10 13:52	
Bromochloromethane	u g/kg	ND	5.0	05/06/10 13:52	
Bromodichloromethane	ug/kg	ND	5 0	05/06/10 13:52	
Bromoform	ug/kg	ND	5.0	05/06/10 13 52	
Bromomethane	ug/kg	ND	5.0	05/06/10 13.52	
Carbon disulfide	ug/kg	ND	5.0	05/06/10 13:52	
Carbon tetrachloride	ug/kg	ND	5.0	05/06/10 13:52	
Chlorobenzene	ug/kg	ND	50	05/06/10 13:52	
Chloroethane	ug/kg	ND	5.0	05/06/10 13:52	
Chloroform	ug/kg	ND	5.0	05/06/10 13.52	
Chloromethane	ug/kg	ND	5.0	05/06/10 13:52	
cis-1,2-Dichloroethene	ug/kg	ND	5.0	05/06/10 13:52	
cis-1,3-Dichloropropene	ug/kg	ND	5.0	05/06/10 13:52	
Dibromochloromethane	ug/kg	NĐ	5.0	05/06/10 13:52	
Ethylbenzene	ug/kg	ND	5.0	05/06/10 13:52	
Isopropylbenzene (Cumene)	ug/kg	ND	5.0	05/06/10 13 52	
m&p-Xylene	ug/kg	ND	10.0	05/06/10 13:52	
Methyl-tert-butyl ether	ug/kg	ND	5.0	05/06/10 13:52	
Methylene Chloride	ug/kg	ND	5.0	05/06/10 13:52	
n-Butylbenzene	ug/kg	ND	5.0	05/06/10 13:52	
n-Propylbenzene	ug/kg	ND	5.0	05/06/10 13:52	
Naphthalene	ug/kg	ND	5.0	05/06/10 13:52	
o-Xylene	ug/kg	ND	5.0	05/06/10 13:52	
p-Isopropyltoluene	ug/kg	ND	5.0	05/06/10 13 52	

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REPORT OF LABORATORY ANALYSIS

Page 82 of 96

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CABOT-EPA 006468



QUALITY CONTROL DATA

Project.

2H/4H

Pace Project No:

3027140

METHOD BLANK. 167283

Matrix. Solid

Associated Lab Samples.

3027140001, 3027140003, 3027140007, 3027140009, 3027140011, 3027140013, 3027140015, 3027140019, 3027140021

		Blank	Reporting		
Parameter	Units	Result	Limit	Analyzed	Qualifiers
sec-Butylbenzene	ug/kg	ND	5.0	05/06/10 13:52	
Styrene	ug/kg	ND	5.0	05/06/10 13 52	
Tetrachloroethene	ug/kg	ND	5.0	05/06/10 13 52	
Toluene	ug/kg	ND	5 0	05/06/10 13:52	
TOTAL BTEX	ug/kg	ND	30.0	05/06/10 13:52	
trans-1,2-Dichloroethene	ug/kg	ND	5.0	05/06/10 13:52	
trans-1,3-Dichloropropene	ug/kg	ND	5.0	05/06/10 13.52	
Trichloroethene	ug/kg	ND	5 0	05/06/10 13.52	
Vinyl chloride	ug/kg	ND	5.0	05/06/10 13:52	
Xylene (Total)	ug/kg	ND	15 0	05/06/10 13:52	
1,2-Dichloroethane-d4 (S)	%	108	70-130	05/06/10 13 52	
4-Bromofluorobenzene (S)	%	98	70-130	05/06/10 13 52	
Toluene-d8 (S)	%	92	70-130	05/06/10 13:52	

LABORATORY CONTROL SAMPLE:	167284					
		Spike	LCS	LCS	% Rec	
Parameter	Units	Conc	Result	% Rec	Limits	Qualifiers
1,1,1-Trichloroethane	ug/kg	20	18.9	95	70-130	
1,1,2,2-Tetrachloroethane	ug/kg	20	20.0	10 0	70-130	
1,1,2-Trichloroethane	ug/kg	20	20.5	102	70-130	
1,1-Dichloroethane	ug/kg	20	21.4	107	70-130	
1,1-Dichloroethene	ug/kg	20	14.8	74	70-130	
1,2,4-Trichlorobenzene	ug/kg	20	18.7	93	70-130	
1,2,4-Trimethylbenzene	ug/kg	20	19.6	98	70-130	
1,2-Dichlorobenzene	ug/kg	20	198	99	70-130	
1,2-Dichloroethane	ug/kg	20	19.4	97	70-130	
1,2-Dichloropropane	ug/kg	20	21.7	108	70-130	
1,3,5-Trimethylbenzene	ug/kg	20	19 5	98	70-130	
1,3-Dichlorobenzene	ug/kg	20	20.0	100	70-130	
1,4-Dichlorobenzene	ug/kg	20	19 5	98	70-130	
2-Butanone (MEK)	ug/kg	20	20.1	101	70-130	
2-Hexanone	ug/kg	20	24.1	121	70-130	
4-Methyl-2-pentanone (MIBK)	ug/kg	20	25 0	125	70-130	
Acetone	ug/kg	20	26 5	132	70-130 L	.0
Benzene	ug/kg	20	21 9	110	70-130	
Bromochloromethane	ug/kg	20	21.2	106	70-130	
Bromodichloromethane	ug/kg	20	18 4	92	70-130	
Bromoform	ug/kg	20	16.3	82	70-130	
Bromomethane	ug/kg	20	14.2	71	70-130	
Carbon disulfide	ug/kg	20	18 2	91	70-130	
Carbon tetrachloride	ug/kg	20	17 4	87	70-130	
Chlorobenzene	ug/kg	20	20 3	101	70-130	
Chloroethane	ug/kg	20	14.0	70	70-130	
Chloroform	ug/kg	20	20.2	101	70-130	

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REPORT OF LABORATORY ANALYSIS

Page 83 of 96

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CABOT-EPA 006469



(724)850-5600

QUALITY CONTROL DATA

Project:

2H/4H

Pace Project No.: 3027140

LABORATORY CONTROL SAMPLE:	167284					
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Lim⊧ts	Qualifiers
Chloromethane	ug/kg		14.1	70	70-130	
cis-1,2-Dichloroethene	ug/kg	20	19.7	99	70-130	
cis-1,3-Dichloropropene	ug/kg	20	20.2	101	70-130	
Dibromochloromethane	ug/kg	20	17.2	86	70-130	
Ethylbenzene	ug/kg	20	20.2	101	70-130	
sopropylbenzene (Cumene)	ug/kg	20	19.9	100	70-130	
n&p-Xylene	ug/kg	40	40.5	101	70-130	
Methyl-tert-butyl ether	ug/kg	20	21.1	105	70-130	
Methylene Chloride	ug/kg	20	18.3	92	70-130	
-Butylbenzene	u g/kg	20	19.7	98	70-130	
-Propylbenzene	ug/kg	20	19.6	98	70-130	
aphthalene	ug/kg	20	19.4	97	70-130	
-Xylene	ug/kg	20	20.0	100	70-130	
-Isopropyltoluene	ug/kg	20	19 4	97	70-130	
ec-Butylbenzene	ug/kg	20	19.8	99	70-130	
tyrene	ug/kg	20	18.9	95	70-130	
etrachloroethene	u g/kg	20	19.8	99	70-130	
oluene	u g/kg	20	20.7	103	70-130	
OTAL BTEX	⊔g/kg		123			
rans-1,2-Dichloroethene	u g/kg	20	19 5	98	70-130	
rans-1,3-Dichloropropene	ug/kg	20	17.9	89	70-130	
richloroethene	ug/kg	20	20.9	104	70-130	
inyl chloride	ug/kg	20	15.3	76	70-130	
ylene (Total)	ug/kg	60	60.5	101	70-130	
,2-Dichloroethane-d4 (S)	%			95	70-130	
-Bromofluorobenzene (S)	%			96	70-130	
Toluene-d8 (S)	%			96	70-130	

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REPORT OF LABORATORY ANALYSIS

Page 84 of 96

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CABOT-EPA 006470



QUALITY CONTROL DATA

Project:

2H/4H

Pace Project No:

QC Batch:

MSV/5772

Analysis Method:

EPA 8260

QC Batch Method

EPA 8260

Analysis Description:

8260 MSV 5035 Low

Associated Lab Samples

3027140005, 3027140017, 3027140023 METHOD BLANK: 168113

Matnx. Solid

Associated Lab Samples 3027140005, 3027140017, 3027140023

Danasatas	11-4-	Blank	Reporting	A b	Ouglifica
Parameter	Units	Result	Limit	Analyzed	Qualifier
1,1,1-Trichloroethane	ug/kg	ND	5.0	05/10/10 11:22	
1,1,2,2-Tetrachloroethane	ug/kg	ND	5.0	05/10/10 11:22	
1,1,2-Trichloroethane	u g/kg	ND	5.0	05/10/10 11:22	
1,1-Dichloroethane	⊔ g/kg	ND	5.0	05/10/10 11:22	
1,1-Dichloroethene	ug/kg	ND	5.0	05/10/10 11:22	
1,2,4-Trichlorobenzene	ug/kg	ND	5.0	05/10/10 11:22	
1,2,4-Trimethylbenzene	ug/kg	ND	5.0	05/10/10 11:22	
1,2-Dichlorobenzene	ug/kg	ND	5.0	05/10/10 11:22	
1,2-Dichloroethane	ug/kg	ND	5.0	05/10/10 11:22	
1,2-Dichloropropane	ug/kg	ND	50	05/10/10 11:22	
1,3,5-Trimethylbenzene	ug/kg	ND	5.0	05/10/10 11:22	
1.3-Dichlorobenzene	ug/kg	ND	5.0	05/10/10 11:22	
1,4-Dichlorobenzene	ug/kg	ND	5.0	05/10/10 11:22	
2-Butanone (MEK)	ug/kg	ND	10.0	05/10/10 11:22	
2-Hexanone	ug/kg	ND	10 0	05/10/10 11:22	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	10.0	05/10/10 11:22	
Acetone	ug/kg	ND	10.0	05/10/10 11.22	
Benzene	ug/kg	ND	5.0	05/10/10 11:22	
Bromochloromethane	ug/kg	ND	5.0	05/10/10 11:22	
Bromodichloromethane	ug/kg	ND	5.0	05/10/10 11:22	
Bromoform	ug/kg	ND	5.0	05/10/10 11:22	
Bromomethane	ug/kg	ND ND	50	05/10/10 11:22	
Carbon disulfide	ug/kg	ND	5.0	05/10/10 11:22	
Carbon tetrachloride	ug/kg	ND	5.0	05/10/10 11:22	
Carbon tetracinonde Chlorobenzene		ND ND	5.0	05/10/10 11.22	
Chloroethane	ug/kg	ND ND	5.0	05/10/10 11:22	
	ug/kg	ND ND			
Chloroform	ug/kg		5.0	05/10/10 11:22	
Chloromethane	ug/kg	ND	5.0	05/10/10 11:22	
cis-1,2-Dichloroethene	ug/kg	ND	5.0	05/10/10 11:22	
cis-1,3-Dichloropropene	ug/kg	ND	5.0	05/10/10 11.22	
Dibromochloromethane	ug/kg 	ND	5.0	05/10/10 11:22	
Ethylbenzene	ug/kg	ND	5.0	05/10/10 11:22	
Isopropylbenzene (Cumene)	ug/kg	ND	5.0	05/10/10 11:22	
m&p-Xylene	ug/kg	ND	10 0	05/10/10 11:22	
Methyl-tert-butyl ether	ug/kg	ND	5.0	05/10/10 11:22	
Methylene Chloride	ug/kg	ND	5.0	05/10/10 11:22	
n-Butylbenzene	ug/kg	ND	5.0	05/10/10 11.22	
n-Propylbenzene	ug/kg	ND	5 0	05/10/10 11·22	
Naphthalen e	ug/kg	ND	5.0	05/10/10 11:22	
o-Xylene	ug/kg	ND	5.0	05/10/10 11:22	
p-Isopropyltoluene	ug/kg	ND	5.0	05/10/10 11:22	
sec-Butylbenzene	ug/kg	ND	5.0	05/10/10 11:22	
Styrene	ug/kg	ND	5.0	05/10/10 11:22	

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REPORT OF LABORATORY ANALYSIS

Page 85 of 96

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CABOT-EPA 006471



QUALITY CONTROL DATA

Project

2H/4H

Pace Project No.: 3027140

METHOD BLANK: 168113

Associated Lab Samples 3027140005, 3027140017, 3027140023

Matrix: Solid

		Blank	Reporting		
Parameter	Units	Result	Limit	Analyzed	Qualifiers
Tetrachloroethene	ug/kg	ND	5.0	05/10/10 11:22	
Toluene	u g/kg	ND	5.0	05/10/10 11:22	
TOTAL BTEX	⊔ g/kg	ND	30.0	05/10/10 11:22	
trans-1,2-Dichloroethene	ug/kg	ND	50	05/10/10 11:22	
trans-1,3-Dichloropropene	ug/kg	ND	50	05/10/10 11:22	
Trichloroethene	ug/kg	ND	5.0	05/10/10 11:22	
Vinyl chloride	ug/kg	ND	5.0	05/10/10 11:22	
Xylene (Total)	ug/kg	ND	15 0	05/10/10 11.22	
1,2-Dichloroethane-d4 (S)	%	95	70-130	05/10/10 11:22	
4-Bromofluorobenzene (S)	%	99	70-130	05/10/10 11:22	
Toluene-d8 (S)	%	95	70-130	05/10/10 11:22	

ABORATORY CONTROL SAMPLE.	168114					
		Spike	LCS	LCS	% Rec	
Parameter	Units	Conc.	Result	% Rec	Limits	Qualifiers
,1,1-Trichloroethane	ug/kg	20	20.6	103	70-130	
,1,2,2-Tetrachloroethane	ug/kg	20	14.2	71	70-130	
1,2-Trichloroethane	ug/kg	20	16 2	81	70-130	
1-Dichloroethane	ug/kg	20	18 1	90	70-130	
-Dichloroethene	ug/kg	20	16.6	83	70-130	
,4-Trichlorobenzene	ug/kg	20	17.9	90	70-130	
,4-Trimethylbenzene	ug/kg	20	19.2	96	70-130	
-Dichlorobenzene	ug/kg	20	17.8	8 9	70-130	
-Dichloroethane	ug/kg	20	17.4	87	70-130	
-Dichloropropane	ug/kg	20	15.6	78	70-130	
5-Trimethylbenzene	ug/kg	20	19.0	9 5	70-130	
Dichlorobenzene	ug/kg	20	18.7	94	70-130	
Dichlorobenzene	ug/kg	20	18.3	92	70-130	
utanone (MEK)	ug/kg	20	15.2	76	70-130	
exanone	ug/kg	20	15 6	78	70-130	
ethyl-2-pentanone (MIBK)	ug/kg	20	15 2	76	70-130	
tone	ug/kg	20	17.9	89	70-130	
zene	ug/kg	20	17.3	87	70-130	
mochloromethane	ug/kg	20	17.6	88	70-130	
modichloromethane	ug/kg	20	17.0	85	70-130	
omoform	ug/kg	20	16.1	81	70-130	
momethane	ug/kg	20	20.7	103	70-130	
bon disulfide	ug/kg	20	24.3	121	70-130	
bon tetrachloride	ug/kg	20	20.9	105	70-130	
orobenzene	ug/kg	20	18.8	94	70-130	
proethane	ug/kg	20	25.1	126	70-130	
oroform	ug/kg	20	18.8	94	70-130	
oromethane	ug/kg	20	16.8	84	70-130	
-1,2-Dichloroethene	ug/kg	20	18.0	90	70-130	
-1,3-Dichloropropene						

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REPORT OF LABORATORY ANALYSIS

Page 86 of 96

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CABOT-EPA 006472



QUALITY CONTROL DATA

Project.

2H/4H

Pace Project No: 3027140

LABORATORY CONTROL SAMP	LE: 168114					
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Dibromochloromethane	ug/kg		17.0	85	70-130	
Ethylbenzene	ug/kg	20	19.9	99	70-130	
Isopropylbenzene (Cumene)	ug/kg	20	193	97	70-130	
m&p-Xylene	ug/kg	40	41 5	104	70-130	
Methyl-tert-butyl ether	ug/kg	20	200	10 0	70-130	
Methylene Chloride	ug/kg	20	15.7	78	70-130	
n-Butylbenzene	⊔g/kg	20	198	99	70-130	
n-Propylbenzene	ug/kg	20	196	98	70-130	
Naphthalene	ug/kg	20	15.5	77	70-130	
o-Xylene	ug/kg	20	18 8	94	70-130	
p-isopropyltoluene	ug/kg	20	195	98	70-130	
sec-Butylbenzene	ug/kg	20	198	99	70-130	
Styrene	ug/kg	20	18.2	91	70-130	
Tetrachloroethene	ug/kg	20	20 4	102	70-130	
Toluene	ug/kg	20	18 4	92	70-130	
TOTAL BTEX	ug/kg		116			
trans-1,2-Dichloroethene	ug/kg	20	18.1	90	70-130	
trans-1,3-Dichloropropene	ug/kg	20	15 6	78	70-130	
Trichloroethene	ug/kg	20	19 0	95	70-130	
Vinyl chloride	ug/kg	20	19.4	97	70-130	
Xylene (Total)	ug/kg	60	60.3	100	70-130	
1,2-Dichloroethane-d4 (S)	%			99	70-130	
4-Bromofluorobenzene (S)	%			101	70-130	
Toluene-d8 (S)	%			93	70-130	

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REPORT OF LABORATORY ANALYSIS

Page 87 of 96

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CABOT-EPA 006473



Pace Analytical Services, Inc. 1638 Roseytown Road - Suites 2,3,4

(724)850-5600

Greensburg, PA 15601

QUALITY CONTROL DATA

Project

2H/4H

Pace Project No.:

3027140

QC Batch:

PMST/1831

Analysis Method:

ASTM D2974-87

QC Batch Method:

ASTM D2974-87

Analysis Description:

Dry Weight/Percent Moisture

Associated Lab Samples: 3027140001, 3027140003, 3027140005, 3027140007, 3027140009, 3027140011

SAMPLE DUPLICATE: 166840

3026646001 Result

Dup Result

RPD

Qualifiers

Percent Moisture

%

Units

Units

17.4

17.5

SAMPLE DUPLICATE: 166841

Parameter

Parameter

3026646002

Dup Result

RPD

Qualifiers

Percent Moisture

%

Result 18.5

19.0

2

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Page 88 of 96

CABOT-EPA 006474



QUALITY CONTROL DATA

Project⁻

2H/4H

Pace Project No.:

3027140

QC Batch:

PMST/1832

Parameter

Parameter

Analysis Method.

ASTM D2974-87

QC Batch Method:

ASTM D2974-87

Analysis Description.

Dry Weight/Percent Moisture

Associated Lab Samples: 3027140013, 3027140015, 3027140017, 3027140019, 3027140021, 3027140023

SAMPLE DUPLICATE: 167103

3027186001

Dup Result

RPD

Qualifiers

Percent Moisture

Units

Units

17.8

18.8

SAMPLE DUPLICATE: 167104

3027185004 Result

Result

Dup Result

RPD Qualifiers

Percent Moisture

%

10.8

7.1

41 1c

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REPORT OF LABORATORY ANALYSIS

Page 89 of 96

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nelac

CABOT-EPA 006475



QUALITY CONTROL DATA

Project: Pace Project No: 2H/4H

167724

QC Batch:

WET/5517

Analysis Method:

SM 5540C

QC Batch Method:

SM 5540C

Analysis Description

5540C MBAS Surfactants

Matrix: Water

Associated Lab Samples:

METHOD BLANK:

3027140002, 3027140004, 3027140006, 3027140008, 3027140010, 3027140012, 3027140014, 3027140016,

3027140018, 3027140020, 3027140022, 3027140024

Associated Lab Samples:

3027140002, 3027140004, 3027140006, 3027140008, 3027140010, 3027140012, 3027140014, 3027140016, 3027140018, 3027140020, 3027140022, 3027140024

Reporting

Parameter

Units

Blank Result

Analyzed

Qualifiers

Surfactants

mg/L

ND

0 10 05/07/10 15:01

METHOD BLANK: 167725

Matrix: Water

Associated Lab Samples.

3027140002, 3027140004, 3027140006, 3027140008, 3027140010, 3027140012, 3027140014, 3027140016, 3027140018, 3027140020, 3027140022, 3027140024

Limit

Blank Result

Reporting

Qualifiers

Surfactants

Surfactants

Surfactants

Surfactants

mg/L

Units

Units

ND

0 10 05/07/10 15:01

Analyzed

94

LABORATORY CONTROL SAMPLE: 167726

Parameter

Parameter

Spike Conc.

LCS Result

LCS % Rec % Rec Limits

Qualifiers

85-115 SU

MATRIX SPIKE SAMPLE:

167728

mg/L

mg/L

mg/L

Units

Units

3027140024 Result

Spike Conc

ND

0.94

MS Result

MS % Rec

% Rec Limits

Qualifiers 85-115 M3

SAMPLE DUPLICATE: 167727

Parameter

Parameter

3027140022 Result

0.18

Dup Result

0.21

RPD

0 81

15

Qualifiers

78

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CABOT-EPA 006476

Page 90 of 96



QUALITY CONTROL DATA

Project:

QC Batch:

2H/4H

Pace Project No.:

3027140

WETA/4185

Analysis Method:

EPA 350.1

QC Batch Method

EPA 350.1

Analysis Description:

Matrix. Solid

350.1 Ammonia

Associated Lab Samples.

3027140001, 3027140003, 3027140005, 3027140007, 3027140009, 3027140011, 3027140013, 3027140015, 3027140017, 3027140019, 3027140021, 3027140023

METHOD BLANK: 167843 Associated Lab Samples:

 $3027140001,\ 3027140003,\ 3027140005,\ 3027140007,\ 3027140009,\ 3027140011,\ 3027140013,\ 3027140015,\ 3027140019,\ 3027140021,\ 3027140023$

Units

Blank Result

Spike

Conc

Reporting Limit

Analyzed

Qualifiers

Nitrogen, Ammonia

mg/kg

ND

5.0 05/08/10 15:54

LABORATORY CONTROL SAMPLE: 167844

Parameter

Parameter

Units

LCS Result

LCS % Rec % Rec Limits

652

96

Qualifiers

Nitrogen, Ammonia mg/kg 157 150

167845

mg/kg

163

86

85-115

85-115

Parameter Nitrogen, Ammonia

MATRIX SPIKE SAMPLE:

Units

3027140023 Result

MS Result

MS % Rec % Rec Limits

Qualifiers

SAMPLE DUPLICATE: 167846

Parameter

Units

3027140023 Result

Dup Result

Spike

Conc.

572

RPD

Qualifiers

Nitrogen, Ammonia

mg/kg

163

172

5

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Page 91 of 96

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CABOT-EPA 006477



QUALITY CONTROL DATA

Project:

2H/4H

Pace Project No:

3027140

QC Batch.

WETA/4184

Analysis Method.

SM 4500-CI-E

QC Batch Method:

SM 4500-CI-E

Analysis Description

Matrix Water

4500 Chloride

Associated Lab Samples:

3027140002, 3027140004, 3027140006, 3027140008, 3027140010, 3027140012, 3027140014, 3027140016, 3027140018, 3027140020, 3027140022, 3027140024

METHOD BLANK: 167807 Associated Lab Samples:

 $3027140002, 3027140004, \underline{3027140006}, \underline{3027140008}, \underline{3027140010}, \underline{3027140012}, \underline{3027140014}, \underline{3027140016}, \underline{30271400016}, \underline{30271400016}, \underline{30271400016}, \underline{30271$ 3027140018, 3027140020, 3027140022, 3027140024

Blank

Reporting

Qualifiers

Chloride

mg/L

Units

Units

Units

Units

Result ND Limit

Analyzed 3.0 05/08/10 11.21

METHOD BLANK: 167842

Parameter

Matrix. Water

Associated Lab Samples:

3027140002, 3027140004, 3027140006, 3027140008, 3027140010, 3027140012, 3027140014, 3027140016,

3027140018, 3027140020, 3027140022, 3027140024

Blank Result

Reporting

Limit

Analyzed

Qualifiers

Chloride

Chloride

Chloride

mg/L

ND

3.0 05/08/10 00:00

LABORATORY CONTROL SAMPLE: 167808

Parameter

Parameter

Parameter

Parameter

Spike Conc.

LCS Result

35

3.5

LCS % Rec

% Rec Limits

Qualifiers

Chlonde mg/L 40 39.3 98

MATRIX SPIKE SAMPLE:

167809

mg/L

mg/L

3027140024 Units Result

Spike Conc.

MS Result

20.3

.3

MS % Rec

85-115

% Rec Limits

85-115 M1

Qualifiers

SAMPLE DUPLICATE: 167810

3027140024 Result

Dup Result

20

3.5

RPD

Qualifiers

84

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REPORT OF LABORATORY ANALYSIS

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Page 92 of 96

CABOT-EPA 006478



QUALIFIERS

Project:

2H/4H

Pace Project No.:

3027140

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit

MDL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is NELAP accredited. Contact your Pace PM for the current list of accredited analytes.

LABORATORIES

PASI-PA Pace Analytical Services - Greensburg

WORKORDER QUALIFIERS

WO 3027140

[1] The samples were subcontracted to Surmit Environmental, 3310 Win Street, Cuyahoga Falls, OH 44223 for Glycol analysis. Results of the analysis are reported on the Summit Environmental, data tables

ANALYTE QUALIFIERS

1c	RPD outside QC limits due to non-homogenous sample.
2c	Samples from this project are ASTMs.
L0	Analyte recovery in the laboratory control sample (LCS) was outside QC limits.
M0	Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery
M3	Matrix spike recovery was outside laboratory control limits due to matrix interferences.
R1	RPD value was outside control limits.
S3	Surrogate recovery exceeded laboratory control limits. Analyte presence below reporting limits in associated samples Results unaffected by high bias
SU	MBAS, calculated as LAS, Mol wt 342.2 g/mol

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REPORT OF LABORATORY ANALYSIS

Page 93 of 96

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CABOT-EPA 006479

DIM0227454



QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project[.]

2H/4H

Pace Project No: 3027140

		QC Batch Method	QC Batch	Analytical Method	Batch
3027140001 EEE 2H/4	4H-1	EPA 3050	MPRP/3802	EPA 6010B	ICP/3413
3027140003 2H/4	4H-2	EPA 3050	MPRP/3802	EPA 6010B	ICP/3413
3027140005 ZH/4	4H-7	EPA 3050	MPRP/3802	EPA 6010B	ICP/3413
3027140007 ZH/4	4H-12	EPA 3050	MPRP/3802	EPA 6010B	ICP/3413
3027140009 2H/4	4H-11	EPA 3050	MPRP/3802	EPA 6010B	ICP/3413
3027140011 ZH/4	4H-10	EPA 3050	MPRP/3802	EPA 6010B	ICP/3413
3027140013 ZH/4	4H-4	EPA 3050	MPRP/3802	EPA 6010B	ICP/3413
3027140015 ZH/4	4H-5	EPA 3050	MPRP/3802	EPA 6010B	ICP/3413
3027140017 ZH/4	4H-3	EPA 3050	MPRP/3802	EPA 6010B	ICP/3413
3027140019 ZH/-	4H-6	EPA 3050	MPRP/3802	EPA 6010B	ICP/3413
3027140021 ZH/-	4H-8	EPA 3050	MPRP/3802	EPA 6010B	ICP/3413
	4H-9	EPA 3050	MPRP/3802	EPA 6010B	ICP/3413
3027140001 EE 2H/4	4H-1	EPA 7471	MERP/1887	EPA 7471	MERC/184
0027140003 ZH/4	4H-2	EPA 7471	MERP/1887	EPA 7471	MERC/184
3027140005 ZH/-	4H-7	EPA 7471	MERP/1887	EPA 7471	MERC/184
3027140007 2H/-	4H-12	EPA 7471	MERP/1887	EPA 7471	MERC/184
3027140009 ZH/	4H-11	EPA 7471	MERP/1887	EPA 7471	MERC/184
3027140011 2H/	4H-10	EPA 7471	MERP/1887	EPA 7471	MERC/184
3027140013 2H/	4H-4	EPA 7471	MERP/1887	EPA 7471	MERC/184
3027140015 2H/-	4H-5	EPA 7471	MERP/1887	EPA 7471	MERC/184
3027140017 ZH/	4H-3	EPA 7471	MERP/1887	EPA 7471	MERC/184
3027140019 2H/	4H-6	EPA 7471	MERP/1887	EPA 7471	MERC/184
3027140021 2H/	4H-8	EPA 7471	MERP/1887	EPA 7471	MERC/184
3027140023 2H/	4H-9	EPA 7471	MERP/1887	EPA 7471	MERC/184
3027140001 EM 2H/	4H-1	EPA 3546	OEXT/4834	EPA 8270	MSSV/209
3027140003 ZH/	4H-2	EPA 3546	OEXT/4834	EPA 8270	MSSV/209
3027140005 ZH/	4H-7	EPA 3546	OEXT/4834	EPA 8270	MSSV/209
3027140007 ZH/	4H-12	EPA 3546	OEXT/4834	EPA 8270	MSSV/209
3027140009 ZH/	4H-11	EPA 3546	OEXT/4834	EPA 8270	MSSV/209
3027140011 ZH/	4H-10	EPA 3546	OEXT/4834	EPA 8270	MSSV/209
3027140013 ZH/	4H-4	EPA 3546	OEXT/4834	EPA 8270	MSSV/209
3027140015 ZH/	4H-5	EPA 3546	OEXT/4834	EPA 8270	MSSV/209
3027140017 2H/	4H-3	EPA 3546	OEXT/4834	EPA 8270	MSSV/209
3027140019 2H/	4H-6	EPA 3546	OEXT/4834	EPA 8270	MSSV/209
3027140021 ZH/	4H-8	EPA 3546	OEXT/4872	EPA 8270	MSSV/210
3027140023 2H/	4H-9	EPA 3546	OEXT/4834	EPA 8270	MSSV/209
	/4H-1	EPA 8260	MSV/5753		
30271400 0 3 2H/	/4H-2	EPA 8260	MSV/5753		
302 714000 5	/4H-7	EPA 8260	MSV/5772		
	/4H-12	EPA 8260	MSV/5753		
	/4H-11	EPA 8260	MSV/5753		
	/4H-10	EPA 8260	MSV/5753		
3027140013 HIB 2H/	/4H-4	EPA 8260	MSV/5753		
3027140015 2H/	/4H-5	EPA 8260	MSV/5753		
3027140017 2 H/	/4H-3	EPA 8260	MSV/5772		

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REPORT OF LABORATORY ANALYSIS

Page 94 of 96

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CABOT-EPA 006480



QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project:

2H/4H

Pace Project No: 3027140

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytica Batch
3027140019	2H/4H-6	EPA 8260	MSV/5753		
3027140021	2H/4H-8	EPA 8260	MSV/5753		
3027140023	2H/4H-9	EPA 8260	MSV/5772		
3027140001	2H/4H-1	ASTM D2974-87	PMST/1831		
3027140003	2H/4H-2	ASTM D2974-87	PMST/1831		
3027140005	2H/4H-7	ASTM D2974-87	PMST/1831		
027140007	2H/4H-12	ASTM D2974-87	PMST/1831		
3027140009	2H/4H-11	ASTM D2974-87	PMST/1831		
3027140011	2H/4H-10	ASTM D2974-87	PMST/1831		
027140013	2H/4H-4	ASTM D2974-87	PMST/1832		
027140015	2H/4H-5	ASTM D2974-87	PMST/1832		
3027140017	2H/4H-3	ASTM D2974-87	PMST/1832		
3027140019	2H/4H-6	ASTM D2974-87	PMST/1832		
3027140021	2H/4H-8	ASTM D2974-87	PMST/1832		
3027140023	2H/4H-9	ASTM D2974-87	PMST/1832		
3027140002	2H/4H-1 (ASTM)	SM 5540C	WET/5517		
3027140004	2H/4H-2 (ASTM)	SM 5540C	WET/5517		
3027140006	2H/4H-7 (ASTM)	SM 5540C	WET/5517		
027140008	2H/4H-12 (ASTM)	SM 5540C	WET/5517		
3027140010	2H/4H-11 (ASTM)	SM 5540C	WET/5517		
3027140013 3027140012	2H/4H-10 (ASTM)	SM 5540C	WET/5517		
3027140014	2H/4H-4(ASTM)	SM 5540C	WET/5517		
3027140014	2H/4H-5 (ASTM)	SM 5540C	WET/5517		
3027140018	The state of the s	SM 5540C	WET/5517		
3027140018	2H/4H-3(ASTM)	SM 5540C	WET/5517		
3027140020 3027140022	2H/4H-6 (ASTM) 2H/4H-8 (ASTM)	SM 5540C	WET/5517		
3027140022	2H/4H-9 (ASTM)	SM 5540C	WET/5517		
3027140001	=		WETA/4185		
3027140001 3027140003	2H/4H-1 2H/4H-2	EPA 350.1 EPA 350.1	WETA/4185		
3027140003 3027140005	2H/4H-7	EPA 350.1	WETA/4185		
3027140003 3027140007					
	2H/4H-12	EPA 350.1	WETA/4185		
3027140009	2H/4H-11	EPA 350.1	WETA/4185		
3027140011	2H/4H-10	EPA 350.1	WETA/4185		
3027140013	2H/4H-4	EPA 350.1	WETA/4185		
3027140015	2H/4H-5	EPA 350.1	WETA/4185		
3027140017	2H/4H-3	EPA 350.1	WETA/4185		
3027140019	2H/4H-6	EPA 350.1	WETA/4185		
3027140021	2H/4H-8	EPA 350.1	WETA/4185		
3027140023	2H/4H-9	EPA 350.1	WETA/4185		
3027140002	2H/4H-1 (ASTM)	SM 4500-CI-E	WETA/4184		
3027140004	2H/4H-2 (ASTM)	SM 4500-CI-E	WETA/4184		
3027140006	2H/4H-7 (ASTM)	SM 4500-CI-E	WETA/4184		
3027140008	2H/4H-12 (ASTM)	SM 4500-CI-E	WETA/4184		
3027140010	2H/4H-11 (ASTM)	SM 4500-CI-E	WETA/4184		
3027140012	2H/4H-10 (ASTM)	SM 4500-CI-E	WETA/4184		

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REPORT OF LABORATORY ANALYSIS

Page 95 of 96

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CABOT-EPA 006481



QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project:

2H/4H

Pace Project No: 3027140

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
3027140014	2H/4H-4(ASTM)	SM 4500-CI-E	WETA/4184		
3027140016	2H/4H-5 (ASTM)	SM 4500-CI-E	WETA/4184		
3027140018	2H/4H-3(ASTM)	SM 4500-CI-E	WETA/4184		
3027140020	2H/4H-6 (ASTM)	SM 4500-CI-E	WETA/4184		
3027140022	2H/4H-8 (ASTM)	SM 4500-CI-E	WETA/4184		
3027140024	2H/4H-9 (ASTM)	SM 4500-CI-E	WETA/4184		

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REPORT OF LABORATORY ANALYSIS

Page 96 of 96

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CABOT-EPA 006482



LABORATORY REPORT

Client

Pace Analytical 1638 Roseytown Road Greensburg, PA 15601

> Order Number 1006689

Project Number 3027140

Issued

Tuesday, May 11, 2010

Total Number of Pages

5 (excluding C.O.C. and cooler receipt form)

Approved By:

QA Manager

NELAC Accreditation #E87688

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Web Sile: www.settek.com

CABOT-EPA 006483



2

Sample Summary

Client: <u>Pace Analytical</u> Order Number: <u>1006689</u>

Laboratory ID	Client ID	Matrix	Sampling Date
1006689-01	3027140001	Solid	5/4/2010
1006689-02	3027140003	Solid	5/4/2010
1006689-03	3027140005	Solid	5/4/2010
1006689-04	3027140007	Solid	5/4/2010
1006689-05	3027140009	Solid	5/4/2010
1006689-06	3027140011	Solid	5/4/2010
1006689-07	3027140013	Solid	5/4/2010
1006689-08	3027140015	Solid	5/4/2010
1006689-09	3027140017	Solid	5/4/2010
1006689-10	3027140019	Solid	5/4/2010
1006689-11	3027140021	Solid	5/4/2010
1006689-12	3027140023	Solid	5/4/2010

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CABOT-EPA 006484



3

Report Narrative

Client: Pace Analytical Order Number: 1006689

Solid sample results are reported on a wet weight basis except as noted. No problems were encountered during analysis of this order number, except as noted.

Data Qualifiers:

B = Analyte found in the method blank

J = Estimated concentration of analyte between MDL (LOD) and Reporting Limit (LOQ)

C = Analyte has been confirmed by another instrument or method

E = Analyte exceeds the upper limit of the calibration curve.

D = Sample or extract was analyzed at a higher dilution

X = User defined data qualifier.

S = Surrogate out of control limits

U = Undetected

a = Not Accredited by NELAC

ND = Non Detected at LOQ

DF = Dilution Factor

Limit Of Quantitation (LOQ) = Laboratory Reporting Limit (not adjusted for dilution factor)

Limit Of Detection (LOD) = Laboratory Detection Limit Estimated uncertainty values are available upon request. Matrices: A = Air C = Cream DW = Drinking Water L = Liquid 0 = 01 SL = Sludge SO = Soil S = Solid T = Tablet TC = TCLP Extract WW = Waste Water W = Wipe

The test results meet the requirements of the NELAC standard, except where noted. The information contained in this analytical report is the sole property of Summit Environmental Technologies, Inc. and that of the client. It cannot be reproduced in any form without the consent of Summit Environmental Technologies, Inc. or the client for which this report was issued. The results contained in this report are only representative of the samples received. Conditions can vary at different times and at different sampling conditions. Summit Environmental Technologies, Inc. is not responsible for use or interpretation of the data included herein.

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CABOT-EPA 006485



May 11, 2010

Client: Pace Analytical Address: 1638 Roseytown Road

Greensburg, PA 15601

Received: 5/7/2010 Project #: 3027140

Client ID# 3027140001	<u>Lab ID#</u> 1006689-01	Collected Analyte 04-May-10 Ethylene glycol	Result ND	<u>Units</u> <u>Matrix</u> <u>Method</u> <u>DF</u> <u>LOQ</u> <u>Run Analyst</u> mg/kg S 8015 1 10 11-May-10 JBN
Client ID# 3027140003	<u>Lab ID#</u> 1006689-02	Collected Analyte 04-May-10 Ethylene glycol	Result ND	Units Matrix Method DI: LOQ Run Analyst mg/kg S 8015 1 10 11-May-10 JBN
Client ID# 3027140005	<u>Lab ID#</u> 1006689-03	Collected Analyte 04-May-10 Ethylene glycol	Result ND	<u>Units Matrix Method DF LOQ Run Analyst</u> mg/kg S 8015 1 10 11-May-10 JBN
Client ID# 3027140007	<u>Lab ID#</u> 1006689-04	Collected Analyte 04-May-10 Ethylene glycol	Result ND	Units Matrix Method DF LOQ Run Analyst mg/kg S 8015 1 10 11-May-10 JBN
Chent ID# 3027140009	<u>Lab ID#</u> 1006689-05	Collected Analyte 04-May-10 Ethylene glycol	Result ND	Units Matrix Method DI: LOQ Run Analyst mg/kg S 8015 1 10 11-May-10 JBN
Client ID# 3027140011	<u>Lab ID#</u> 1006689-06	Collected Analyte 04-May-10 Ethylene glycol	<u>Result</u> ND	<u>Units Matrix Method DF LOQ Run Analyst</u> mg/kg S 8015 1 10 11-May-10 JBN
Client ID# 3027140013	<u>Lab ID#</u> 1006689-07	<u>Collected Analyte</u> 04-May-10 Ethylene glycol	Result ND	Units Matrix Method Dl' LOQ Run Analyst mg/kg S 8015 1 10 11-May-10 JBN
Client ID# 3027140015	<u>Lab ID#</u> 1006689-08	Collected Analyte 04-May-10 Ethylene glycol	Result ND	Units Matrix Method DF LOQ Run Analyst mg/kg S 8015 1 10 11-May-10 JBN
Client ID# 3027140017	<u>Lab ID#</u> 1006689-09	Collected Analyte 04-May-10 Ethylene glycol	Result ND	Units Matrix Method DF LOQ Run Analyst mg/kg S 8015 1 10 11-May-10 JBN
Client ID# 3027140019	<u>Lab II)#</u> 1006689-10	Collected Analyte 04-May-10 Ethylene glycol	<u>Result</u> ND	Units Matrix Method DI: LOQ Run Analyst mg/kg S 8015 1 10 11-May-10 JBN
Client ID# 3027140021	<u>Lab ID#</u> 1006689-11	Collected Analyte 04-May-10 Ethylene glycol	<u>Result</u> ND	Units Matrix Method DF LOQ Run Analyst mg/kg S 8015 1 10 11-May-10 JBN

Page 4

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CABOT-EPA 006486



May 11, 2010

Client: Pace Analytical Address: 1638 Roscytown Road

Greensburg, PA 15601

Received: 5/7/2010 Project #: 3027140

Chent ID# 3027140023 Lab ID#

Collected Analyte

1006689-12 04-May-10 Ethylene glycol

Result. ND

Units Matrix Method DF LOQ

Run Analyst

10 11-May-10 JBN mg/kg \$ 8015 1

Page 5

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CABOT-EPA 006487

Chain of Custody

									Project No.:	
	Pace Analytic							P.	O. No: ASR-	3027140
	unw pacelabs					Request Date: Shipped By: F	5/6/10 ed Ex	Analy	sis Due Date:	5/11/10 / ASA
uites	loseytown Road 2,3, & 4 sburg, PA 15601					Certification	Required:	 	PA Certificati	on
hone:	(724) 850-5600 (724) 850-5601				Page1of1_		roject No.: /Invoice to:		3027140 Tim Reed	
\top	Pace Sample ID:	Matrix:	Collection	Time:	Δr	alysis Requested:		Analytical Method:	Detection Limits:	Units Requested
1	3027140001	SL	5/4/10		Ethylene Glycol					, , , , , , , , , , , , , , , , , , , ,
2	3027140003	SL	5/4/10		Ethylene Glycol					
3	3027140005	SL	5/4/10		Ethylene Glycol					
4	3027140007	SL	5/4/10		Ethylene Glycol					
5	3027140009	SL	5/4/10		Ethylene Glycol					
6	3027140011	SL	5/4/10		Ethylene Glycol					
7	3027140013	SL	5/4/10		Ethylene Glycol					
8	3027140015	SL	5/4/10		Ethylene Glycol				-,	
9	3027140017	SL.	5/4/10	·	Ethylene Glycol					
0	3027140019	SL	5/4/10		Ethylene Glycol					
11	3027140021	SL	5/4/10		Ethylene Glycol	***************************************				
2	3027140023	SL	5/4/10		Ethylene Glycol					
ubcon ddres:		Summit Env 3310 Win S Cuyahoga F	vironmental Te itreet Falls, OH 4422	echnolgies,	@pacelabs.com	Analysis Authorized By: Acceptance of Terms By:	ace Agent Nam	ne	-/.	Z Title
hone:		330-253-82	11			Si	ubcontract Lab	Agent		Title
elinqu	ised By:	(Signature & Af	filiation)		5670 17cm (Date) (Time)	Received By: 🤦	Signature & Affil	iation)	<u> </u>	7- /b //. (Date) (Time)
	rised By:	(Signature & Af	filiation)		(Date) (Time)	Received By:	ignature & Affil	iation)		(Date) (Time)
omme	ents:								ASR (C015-0	

Summit Environmental Technologies, Inc. Cooler Receipt Form

ar weceil	or Lotul		
Order	Number:	1006689	
Time f	Received:/	1.40	
N/A			
Postal V	Valk-in Pickup	Other:	
Paper	Foam None	Other:	
(A)	N	N/A	
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B	N	N/A	
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رقي.	<u>6</u> °c	N/A	
\bigcirc	N	N/A	
\$	N	N/A	
Ø	N	N/A	
			
(3)	N	N/A	
Θ	N	N/A	
Θ	N	N/A	•
\bigcirc	N	N/A	
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Rev. 6

VOC Tics

FORM 1 VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

5MB

Lab	Code:	Case	No.:

Contract:

SAS No.: SDG No.: 3027140A

Matrix: (soil/water) SOIL

Lab Sample ID: 167962

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: 10506007

Lab Name:

Level: (low/med) LOW

Date Received: 05/10/10

% Moisture: not dec. ____

Date Analyzed: 05/06/10

GC Column: RTX-VMS ID: 0.18 (mm)

Soil Extract Volume: ____(mL)

Dilution Factor: 1.0

Soil Aliquot Volume: ____(uL)

CONCENTRATION UNITS:

Number TICs found: 3

(ug/L or ug/Kg) ug/kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	
1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20.	1	RT 0.92 3.45 6.55	EST. CONC. 37.0 9.82 8.99	 J J
21. 22. 23. 24. 25. 26. 27. 28. 29. 30.				

FORM I VOA-TIC

Data File: \\30wintarget\chem\30msv1.i\1050610.b\1.b\10506007.d

Date : 06-MAY-2010 13:52

Client ID: 5MB Instrument: 30msv1.i

Sample Info: 167962,,5

Purge Volume: 5.0

Operator: JEW

Column phase: RTX-VHS

Column diameter: 0.18

Library Search Compound Match

Germacyclohexame, 1,1-dichloro-

CAS Number Library

Quality Formula

Weight

Unknown

3-Azabicyclo[3,2,1]octane, 1,8,8-trimeth

4074-30-0 nbs75k₊1

59 45 C10H18N20 182

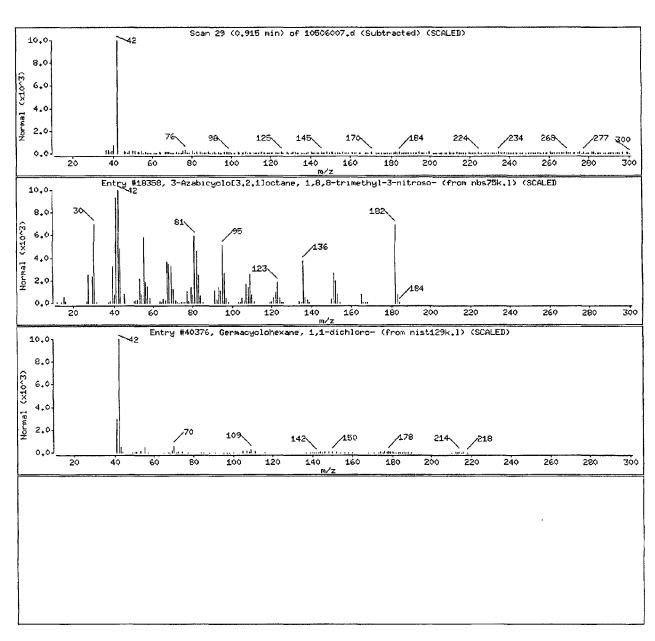
56438-28-9 nist129k.l

40376

Entry

18358

C5H10C12Ge 214



Data File: \\30wintarget\chem\30msv1.i\1050610.b\1.b\10506007.d

Date: 06-HAY-2010 13:52

Client ID: 5MB

Instrument: 30msv1.i

Sample Info: 167962,,5

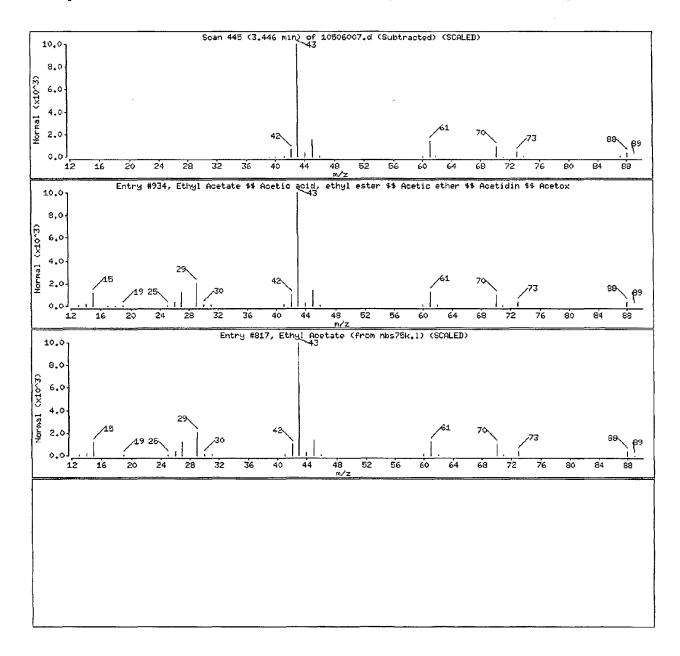
Purge Volume: 5.0

Operator: JEW

Column phase: RTX-VMS

Column diameter: 0.18

Library Search Compound Match CAS Number Library Entry Quality Formula Weight 141-78-6 Ethyl Acetate \$\$ Acetic acid, ethyl este nist129k,1 934 C4H8O2 88 Ethyl Acetate 141-78-6 nbs75k.l 817 C4H8O2 88



Data File: \\30wintarget\chem\30msv1.i\1050610.b\1.b\10506007.d

Bate : 06-MAY-2010 13:52

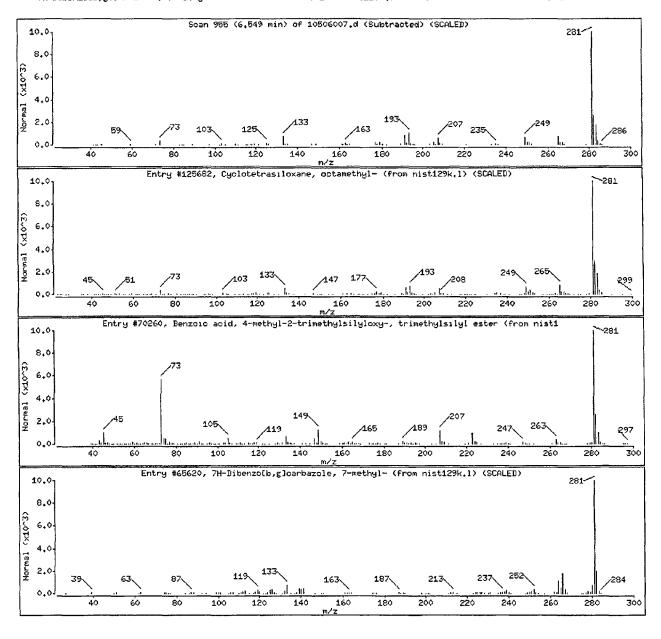
Client IB: 5MB Instrument: 30msv1.i

Sample Info: 167962,,5

Purge Volume: 5.0 Operator: JEW

Column phase: RTX-VHS Column diameter: 0.18

Library Search Compound Match column bleed	CAS Mumber	Library	Entry	Quality	Formula	Weight
Cyclotetrasiloxane, octamethyl-	556-67-2	nist129k.l	125682	91	C8H24O4Si4	296
Benzoic acid, 4-methyl-2-trimethylsilylo	0-00-0	nist129k,1	70260	59	C14H2403S12	2 296
7H-Dibenzo(b.g)carbazole, 7-methy1-	3557-49-1	nist129k.l	65620	59	C21H15H	281



FORM 1 VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

5MB

La	b '	Na	me	:

Contract:

Lab Code:

Case No.:

SAS No.:

SDG No.: 3027140

Matrix: (soil/water) SOIL

Lab Sample ID: 168113

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: 50510006

Level: (low/med) LOW

Date Received: 05/10/10

% Moisture: not dec. ____

Date Analyzed: 05/10/10

GC Column: RTX-VMS ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Aliquot Volume: ____(uL)

Soil Extract Volume: ____(mL)

CONCENTRATION UNITS:

Number TICs found: 3

(ug/L or ug/Kg) ug/kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	
1. 2. 27750-45-4 3. 556-67-2 4. 5.	UNKNOWN COLUMN BLEED COLUMN BLEED	0.90 7.91 8.57	5.36	J NJ
6. 7. 8. 9.				
12. 13. 14. 15.				
17. 18. 19. 20. 21. 22.				
24. 25. 26.				
28. 29. 30.				

FORM I VOA-TIC

Pata File: \\30wintarget\chem\30msv5.i\5100510.b\1.b\50510006.d

Pate : 10-MAY-2010 11:22

Client ID: Instrument: 30msv5.i

Sample Info: 168113,,5

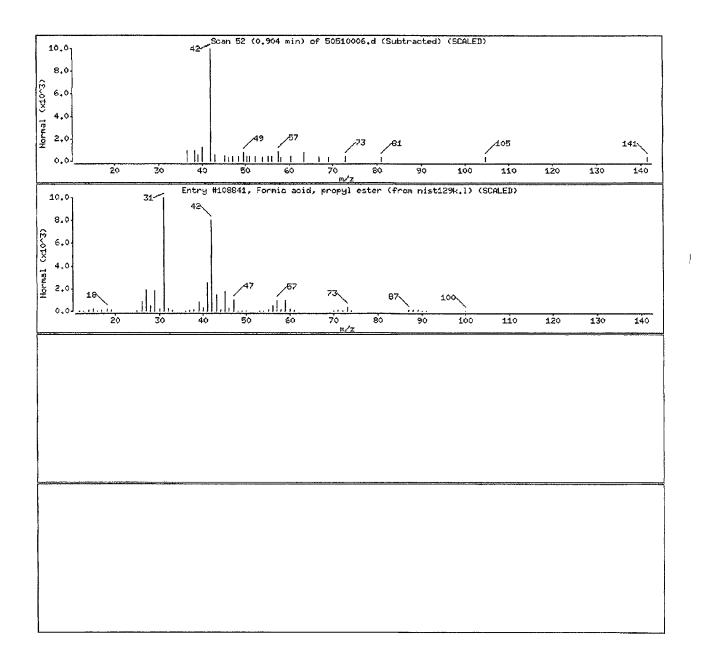
Purge Volume: 5.0 Operator: JEW

Column phase: Rtx-VMS Column diameter: 0.18

Library Search Compound Match CAS Number Library Entry Quality Formula Weight

Unknown

nist129k.1 Formic acid, propyl ester 110-74-7 108841 C4H802 88



Data File: \\30wintarget\chem\30msv5.i\5100510.b\1.b\50510006.d

Date: 10-MAY-2010 11:22

Client ID:

Instrument: 30msv5.i

Sample Info: 168113,,5

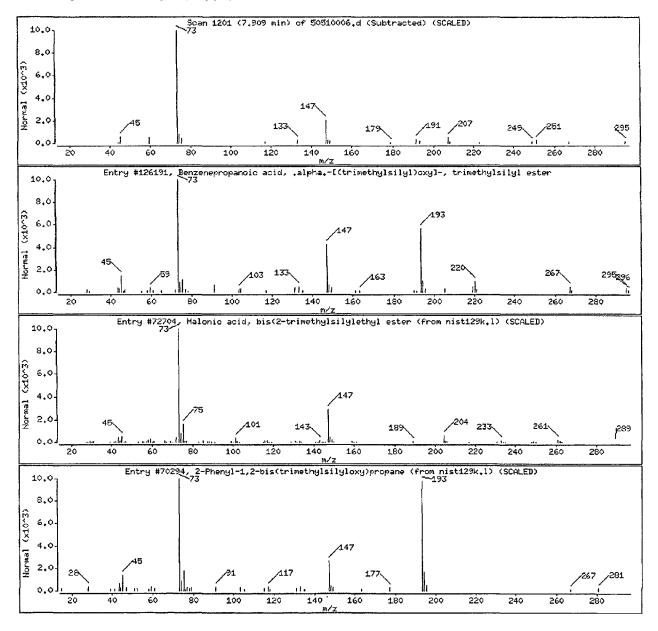
Purge Volume: 5.0

Operator: JEW

Column phase: Rtx-VMS

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
column bleed	27750-45-4	nist129k,l	126191	42	C15H2603Si2	310
Malonio acid, bis(2-trimethylsilylethyl	90744-45-9	nist129k.l	72704	40	C13H2804Si2	2 304
2-PhenyI-1,2-bis(trimethyIsilyloxy)propa	0-00-0	nist129k.l	70294	33	C15H2802Si2	296



Data File: \\30wintarget\chem\30msv5.i\5100510.b\1.b\50510006.d

Date : 10-MAY-2010 11:22

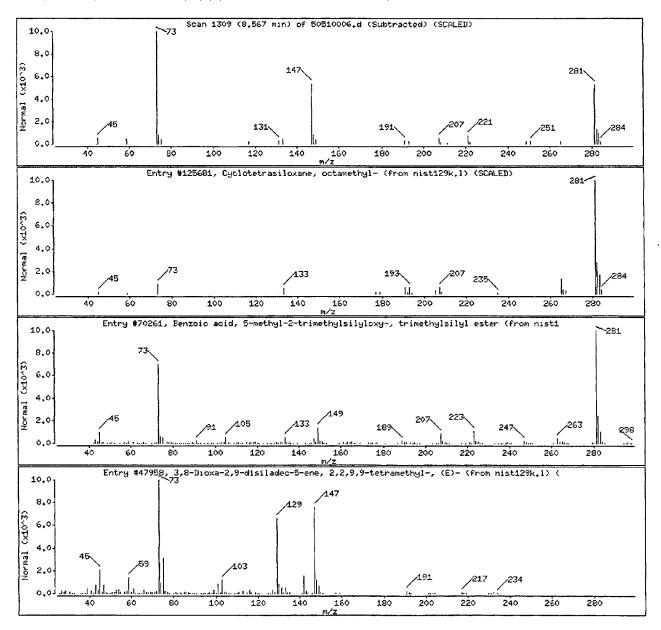
Client ID: Instrument: 30msv5.i

Sample Info: 168113,,5

Purge Volume: 5.0 Operator: JEW

Column phase: Rtx-VMS Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
column bleed	556-67-2	nist129k,l	125681	38	C8H24O4Si4	296
Benzoic acid, 5-methyl-2-trimethylsilylo	0-00-0	nist129k.1	70261	38	C14H24O3Si2	296
3,8-Dioxa-2,9-disiladec-5-ene, 2,2,9,9-t	53326-59-3	nis t12 9k.1	47958	35	C10H24G2Si2	232



FORM 1 URS Corporation - PG05-MAY-2010 13:40 VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name:

Contract:

2H/4H-1

Lab Code:

Case No.:

SAS No.:

SDG No.: 3027140A

Matrix: (soil/water) SOIL

Lab Sample ID: 3027140001

Sample wt/vol:

4.9 (g/mL) G

Lab File ID: 10506010

Level: (low/med) LOW Date Received: 05/05/10

% Moisture: not dec. 9

Date Analyzed: 05/06/10

GC Column: RTX-VMS ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Aliquot Volume: ____(uL)

Soil Extract Volume: __(mL)

Number TICs found: 5

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 2. 3. 4. 66-25-1 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21.		1	15.7	 J J J NJ
23. 24. 25. 26. 27. 28. 29.				
30				

FORM I VOA-TIC

Data File: \\30wintarget\ohem\30msv1.i\1050610.b\1.b\10506010.d

Date : 06-MAY-2010 15:05

Client ID: 2H/4H-1 Instrument: 30msv1.i

Sample Info: 3027140001,,4.93

Purge Volume: 4.9

Operator: JEW

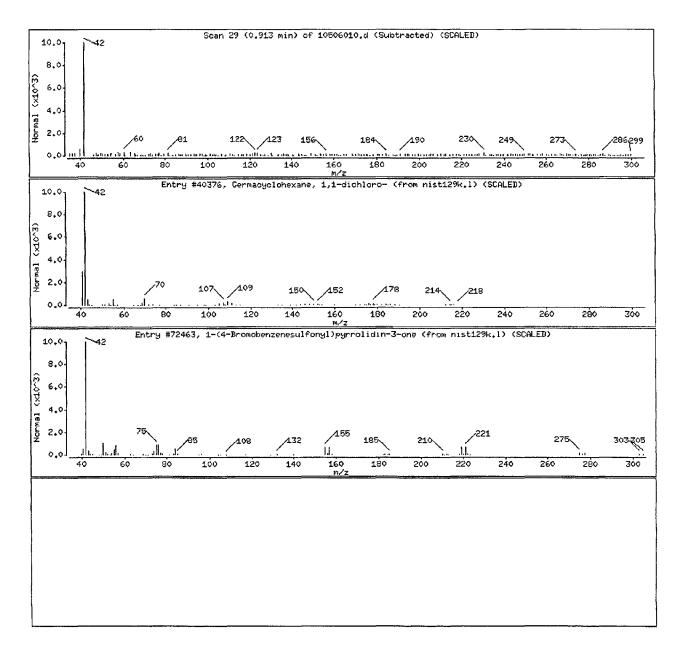
Column phase: RTX-VMS

Column diameter: 0.18

Library Search Compound Match CAS Number Library Entry Quality Formula Weight

Unknown

Germacyclohexane, 1,1-dichloro- 56438-28-9 nist129k.1 40376 39 C5H10Cl2Ge 214 1-(4-Bromobenzenesulfonyl)pyrrolidin-3-0 83133-01-1 nist129k.1 72463 38 C10H10BrN039 303



Data File: \\30wintarget\chem\30msv1.i\1050610.b\1.b\10506010.d

Date : 06-HAY-2010 15:05

Client ID: 2H/4H-1

Instrument: 30msv1.i

Sample Info: 3027140001,,4.93

Purge Volume: 4.9

Operator: JEW

Column phase: RTX-VMS

Column diameter: 0.18

Library Search Compound Match

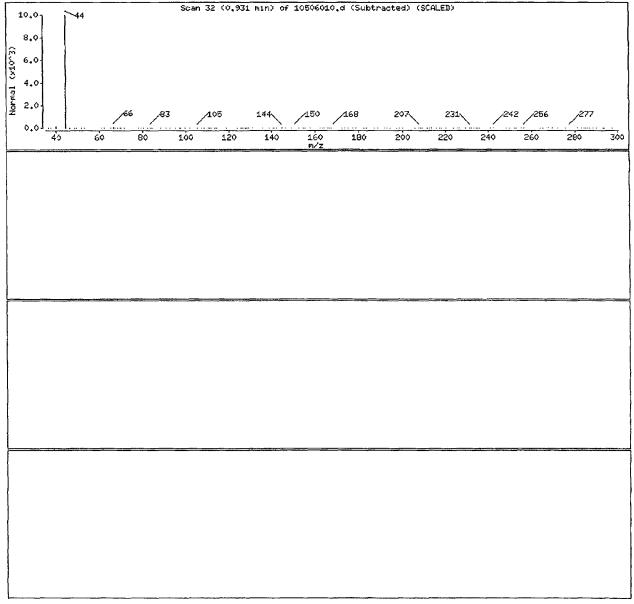
CAS Number Library

Entry

Quality Formula

Weight

Unknown



Data File: \\30wintarget\chem\30msv1.i\1050610.b\1.b\10506010.d

Date : 06-HAY-2010 15:05

Client ID; 2H/4H-1

Instrument: 30msv1.i

Sample Info: 3027140001,,4.93

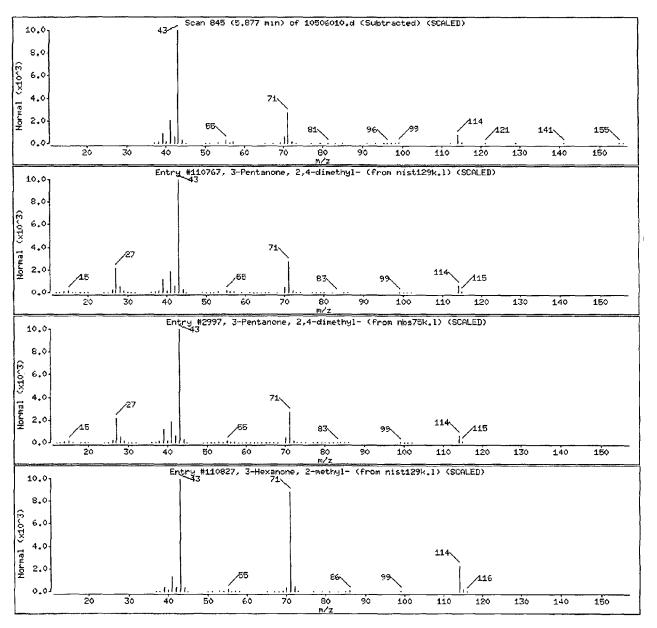
Purge Volume: 4.9

Operator: JEW

Column phase: RTX-VHS

Column diameter: 0.18

Library Search Compound Match Unknown	CAS Number	Library	Entry	Quality	Formula	Weight
3-Pentanone, 2,4-dimethy1-	565-80-0	nist129k.l	110767	83	C7H14O	114
3-Pentanone, 2,4-dimethyl-	565-80-0	nbs75k.1	2997	83	C7H14O	114
3-Hexanone, 2-methyl-	7379-12-6	nist129k.l	110827	64	C7H140	114



Data File: \\30wintarget\chem\30msv1.i\1050610.b\1.b\10506010.d

Date : 06-MAY-2010 15:05

Client ID: 2H/4H-1

Instrument: 30msv1.i

Sample Info: 3027140001,,4,93

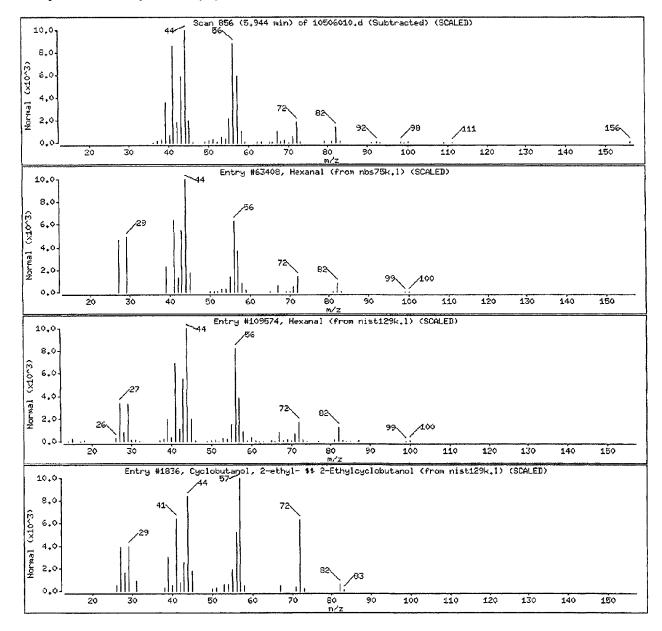
Furge Volume: 4,9

Operator: JEW

Column phase: RTX-VMS

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Hexanal	66-25-1	nbs75k+1	63408	91	C6H12D	100
Hexanal	66-25-1	nist129k.l	109574	90	C6H12O	100
Cyclobutanol, 2-ethyl- \$\$ 2-Ethyloyolobu	35301-43-0	nist129k,1	1836	38	C6H12O	100



Data File: \\30wintarget\chem\30msv1.i\1050610.b\1.b\10506010.d

Date : 06-MAY-2010 15:05

Client ID: 2H/4H-1 Instrument: 30msv1.i

Sample Info: 3027140001,,4.93

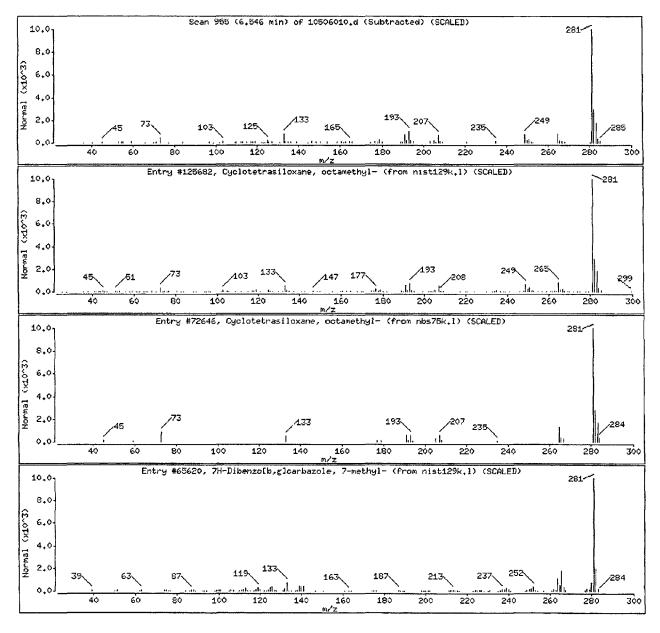
Purge Volume: 4.9

Operator: JEW

Column phase: RTX-VMS

Column diameter: 0.18

Library Search Compound Match	CAS Humber	Library	Entry	Quality	Formula	Weight
Cyclotetrasiloxane, octamethyl-	556-67-2	nist129k.l	125682	87	C8H24045i4	296
Cyclotetras:loxane, octamethyl-	556-67-2	nbs75k .1	72646	80	C8H2404Si4	296
7H-DibenzoCb,glcarbazole, 7-methyl-	3557-49-1	nist129k,1	65620	59	C21H15N	281



FORM 1 URS Corporation - PG05-MAY-2010 13:40 VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

Lab	Name	
TIQT)	Name	٠

Contract:

2H/4H-2

Lab Code:

Case No.:

SAS No.:

SDG No.: 3027140A

Matrix: (soil/water) SOIL

Lab Sample ID: 3027140003

Sample wt/vol: 6.0 (g/mL) G

Lab File ID: 10506011

Level: (low/med) LOW

Date Received: 05/05/10

% Moisture: not dec. 11

Date Analyzed: 05/06/10

GC Column: RTX-VMS ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: ____(mL)

Soil Aliquot Volume: ____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/kg

Number TICs found: 3

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	
1. 2. 66-25-1 3. 4.	UNKNOWN HEXANAL COLUMN BLEED	0.92 5.95 6.54	36.8 12.5	J NJ
5				
11. 12. 13.				
16. 17. 18.				
21. 22. 23.				
24. 25. 26. 27. 28.				
29. 30.				

FORM I VOA-TIC

Data File: \\30wintarget\chem\30msv1.i\1050610.b\1.b\10506011.d

Date : 06-HAY-2010 15:29

Client ID: 2H/4H-2 Instrument: 30msv1.i

Sample Info: 3027140003,,6.02

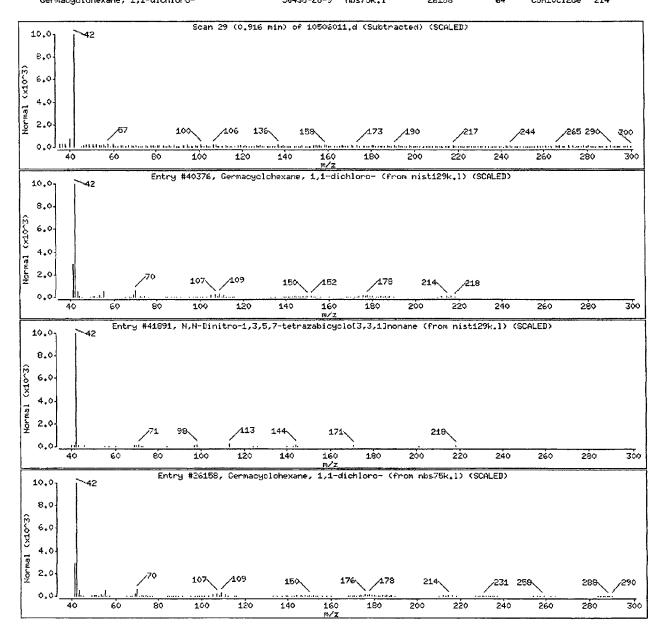
Purge Volume: 6.0

Operator: JEW

Column phase: RTX-VMS

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Germacyclohexane, 1,1-diohloro-	56438-28-9	nist129k.l	40376	64	C5H10C12Ge	214
N,N-Dinitro-1,3,5,7-tetrazabicyclo[3,3,1	0-00-0	nist129k.I	41891	64	C5H10N604	218
Commount observes 1 1-dichlore-	56472-22-9	nha75レ 1	26459	64	0504001006	214



Data File: \\30w1ntarget\chem\30msv1.i\1050610.b\1.b\10506011.d

Date : 06-MAY-2010 15:29

Client ID: 2H/4H-2

Sample Info: 3027140003,,6,02

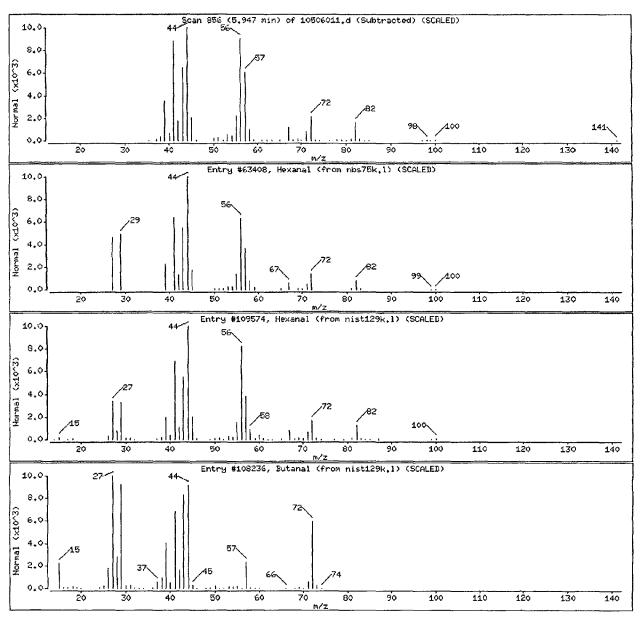
Purge Volume: 6.0

Column phase: RTX-VMS Column diameter: 0.18

CAS Number	Library	Entry	Quality	Formula	Weight
66-25-1	nbs75k.1	63408	91	C6H12O	100
66-25-1	nist129k.l	109574	90	C6H12O	100
123-72-8	nist129k.l	108236	35	C4H80	72
	66-25-1 66-25-1	66-25-1 nbs75k.1 66-25-1 nist129k.1	66-25-1 nbs75k.1 63408 66-25-1 nist129k.1 109574	66-25-1 nbs75k.1 63408 91 66-25-1 nist129k.1 109574 90	66-25-1 nbs75k.1 63408 91 C6H12O 66-25-1 nist129k.1 109574 90 C6H12O

Instrument: 30msv1.i

Operator: JEW



Data File: \\30wintarget\chem\30msv1.i\1050610.b\1.b\10506011.d

Date : 06-MAY-2010 15:29

Client ID: 2H/4H-2 Instrument: 30msv1.i

Sample Info: 3027140003,,6.02

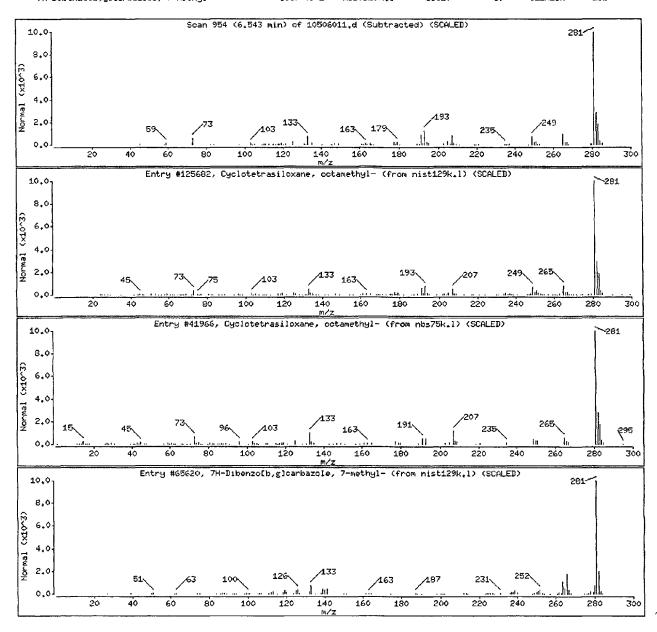
Purge Volume: 6.0

Operator: JEW

Column phase: RTX-VMS

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Cyclotetrasiloxane, octamethyl-	556-67-2	nist129k,l	125682	91	C8H24O4Si4	296
Cyclotetrasiloxane, octamethyl-	556-67 - 2	nbs75k.l	41966	78	C8H24O4\$i4	296
7H-Dibenzo(b.s]carbazole, 7-methul-	3557-49-1	nist129k.l	65620	59	C21H15N	281



FORM 1 URS Corporation - PG05-MAY-2010 13:40 VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name:

Contract:

2H/4H-3

Lab Code:

Case No.:

SAS No.:

SDG No.: 3027140

Matrix: (soil/water) SOIL

Lab Sample ID: 3027140017

Sample wt/vol:

5.0 (g/mL) G

Lab File ID: 50510008

Level: (low/med)

LOW

Date Received: 05/05/10

% Moisture: not dec. 10

Date Analyzed: 05/10/10

GC Column: RTX-VMS ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (mL)

Soil Aliquot Volume: ____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/kg

Number TICs found: 12

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	. ~ .
1. 2. 3. 109-66-0 4. 5. 6. 110-62-3 7. 541-05-9 8. 66-25-1 9. 556-67-2 10. 11. 2199-69-1	UNKNOWN UNKNOWN PENTANE \$\$ N-PENTANE \$\$ SKEL UNKNOWN UNKNOWN PENTANAL \$\$ VALERALDEHYDE \$\$ COLUMN BLEED HEXANAL COLUMN BLEED UNKNOWN BENZENE-1,2,3,4-D4-, 5,6-DIC UNKNOWN	0.93 1.30 1.45 1.97 4.67 4.98 5.40 5.85 6.45 7.02	20.8 3.74 4.11 7.18 4.76 17.1 4.13 98.6 5.71 4.74 31.9	よ カ カ カ カ カ カ カ カ カ カ カ カ カ

FORM I VOA-TIC

Data File: '\30wintarget\chem\30msv5.i\5100510.k\1.k\50510008.d

Date : 10-MAY-2010 12:07

Client ID:

Instrument: 30msv5.i

Sample Info: 3027140017,,6.98

Purge Volume: 5.0

Operator: JEW

Column phase: Rtx-VMS

Column diameter: 0.18

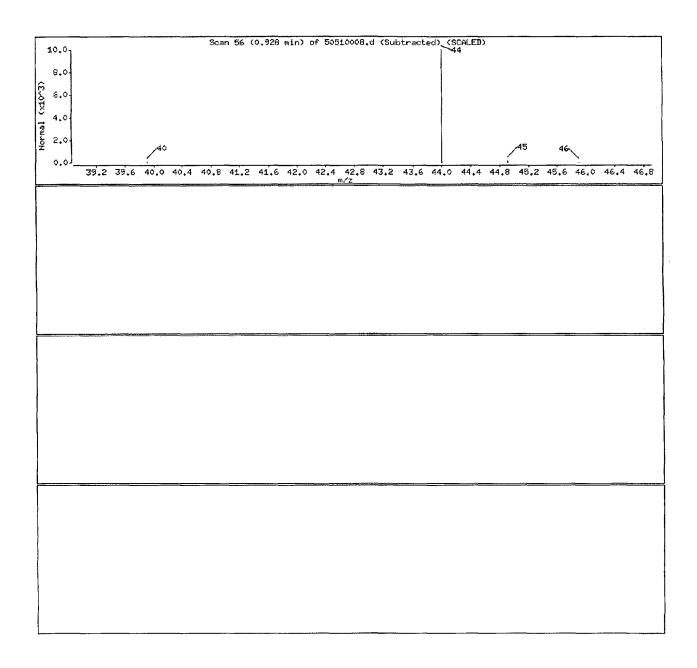
Library Search Compound Match

CAS Number Library

Entry Quality Formula

Weight

Unknown



Data File: \\30wintarget\chem\30msv5.i\5100510.b\1.b\50510008.d

Client ID:

Instrument: 30msv5.i

Sample Info: 3027140017,,6.98

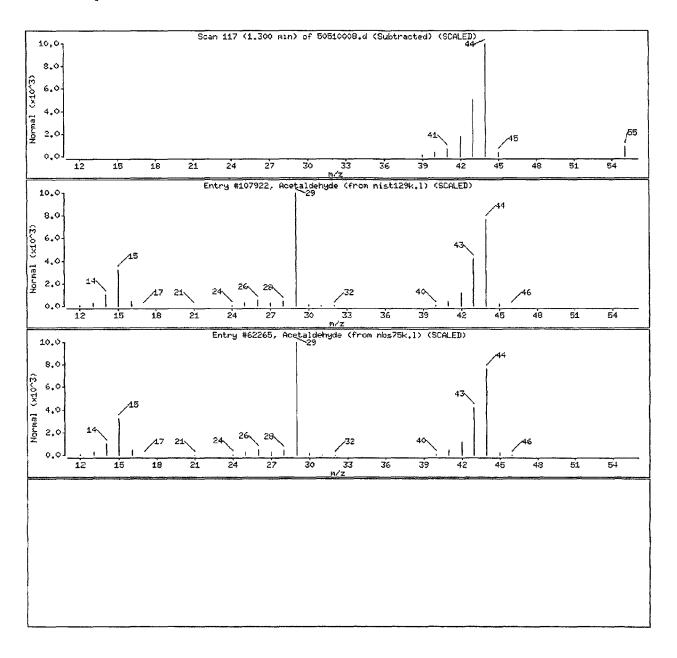
Purge Volume: 5.0

Operator: JEW

Column phase: Rtx-VMS

Column diameter: 0.18

Library Search Compound Hatch	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Acetaldehyde	75-07-0	nist129k,1	107922	83	C2H40	44
Acetaldehyde	75-07-0	nbs75k.l	62265	83	C2H40	44



Data File: \\30wintarget\chem\30msv5.i\5100510.b\1.b\50510008.d

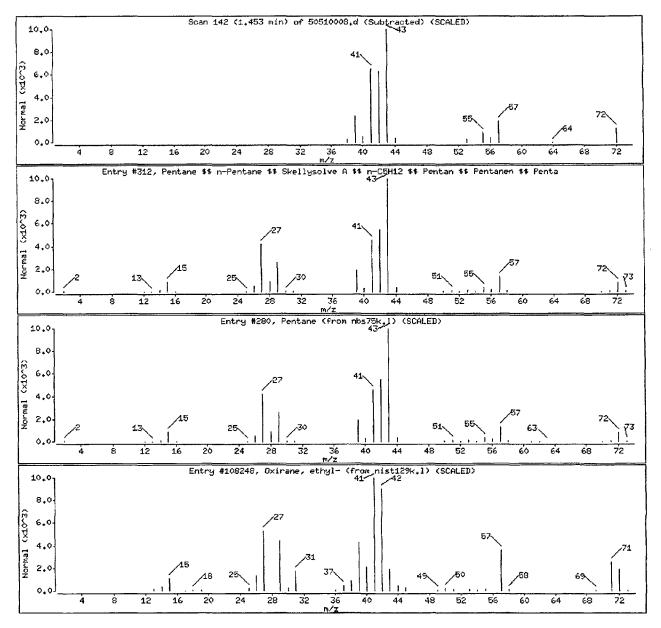
Client ID: Instrument: 30msv5.i

Sample Info: 3027140017,,6.98

Purge Volume: 5.0 Operator: JEW

Column phase: Rtx-VMS Column diameter: 0.18

Library Search Compound Hatch	CAS Humber	Library	Entry	Quality	Formula	Weight
Pentane \$\$ n-Pentane \$\$ Skellysolve A \$\$	109-66-0	nist129k.I	312	90	C5H12	72
Pentane	109-66-0	nbs75k,l	280	96	C5H12	72
Oxirane, ethyl-	106-88-7	nist129k,1	108248	42	C4H80	72



Data File: \\30wintarget\chem\30msv5.i\5100510.b\1.b\50510008.d

Client ID:

Instrument: 30msv5,i

Sample Info: 3027140017,,6.98

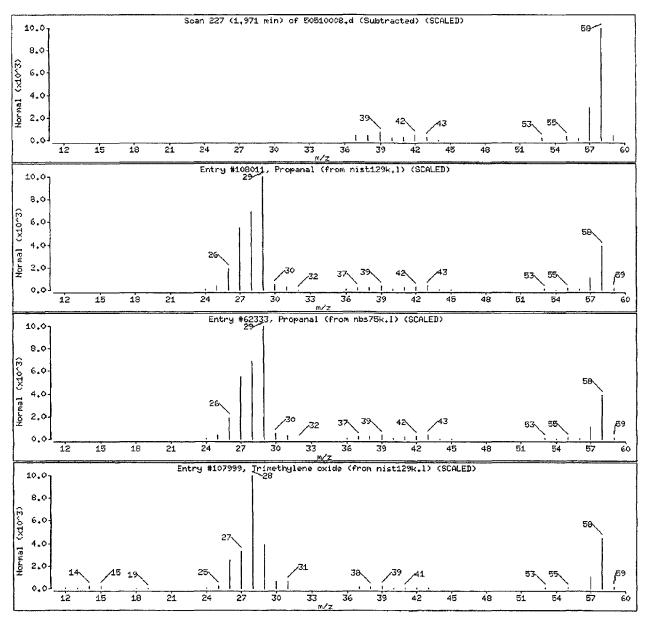
Purge Volume: 5.0

Operator: JEW

Column phase: Rtx-VMS

Column diameter: 0.18

Library Search Compound Match Unknown	CAS Number	Library	Entry	Quality	Formula	Weight
Propenal	123-38-6	nist129k.l	108011	78	C3H60	58
Propanal	123-38-6	nbs75k.1	62333	78	C3H60	58
Trimethylene oxide	503-30-0	nist129k,I	107999	56	C3H6O	58



Data File: \\30wintarget\chem\30msv5.i\5100510.b\1.b\50510008.d

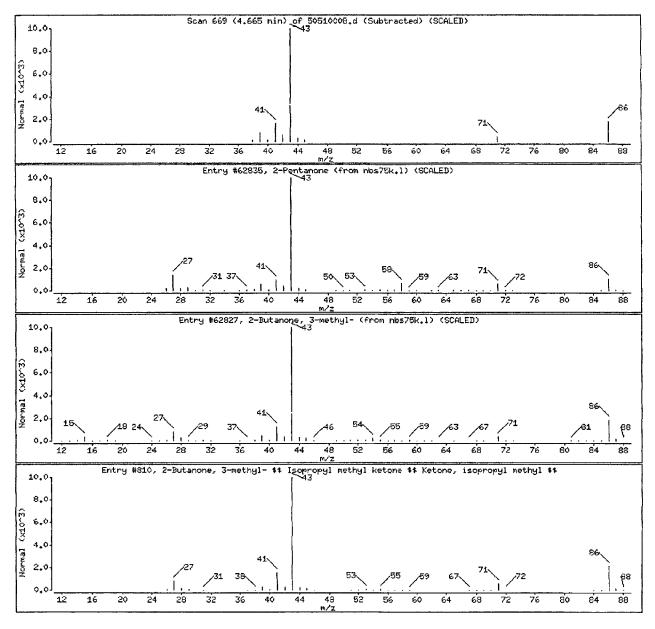
Client ID: Instrument; 30msv5,i

Sample Info: 3027140017,,6.98

Purge Volume: 5.0 Operator: JEN

Column phase: Rtx-VMS Column diameter: 0.18

Library Search Compound Hatch	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
2-Pentanone	107-87-9	nbs75k.l	62835	83	C5H100	86
2-Butanone, 3-methyl-	563-80-4	nbs75k.1	62827	83	C5H100	86
2-Butanone, 3-methyl- \$\$ Isopropyl methy	563-80-4	nist129k.l	810	74	C5H100	86



Data File: \\30wintarget\chem\30ws\5.1\5100510.b\\1.b\50510008.d

Client ID:

Instrument: 30msv5.i

Sample Info: 3027140017,,6.98

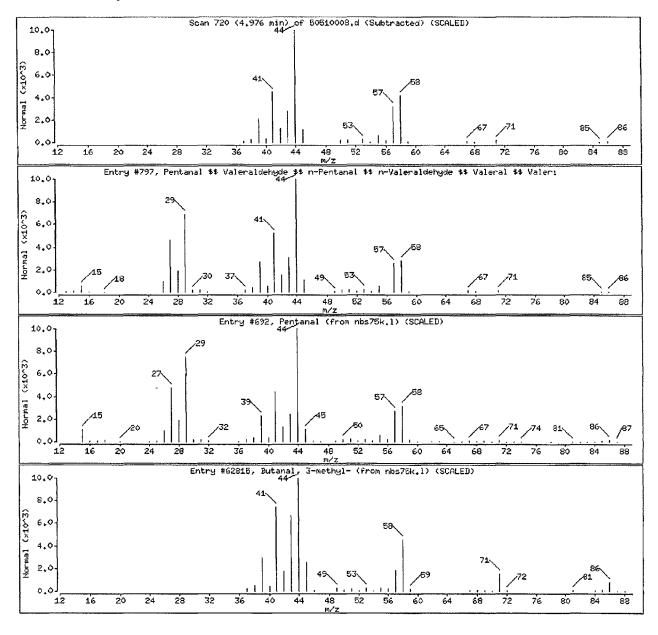
Purge Volume: 5.0

Operator: JEW

Column phase: Rtx-VMS

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Pentanal \$\$ Valeraldehyde \$\$ n-Pentanal	110-62-3	nist129k.1	797	91	C5H100	86
Pentanal Pentanal	110-62-3	nbs75k.1	692	90	C5H100	86
Butanal, 3-methyl-	590-86-3	nbs75k.1	62815	78	C5H1.00	86



Data File: \\30wintarget\chem\30msv5.1\5100510.b\1.b\50510008.d

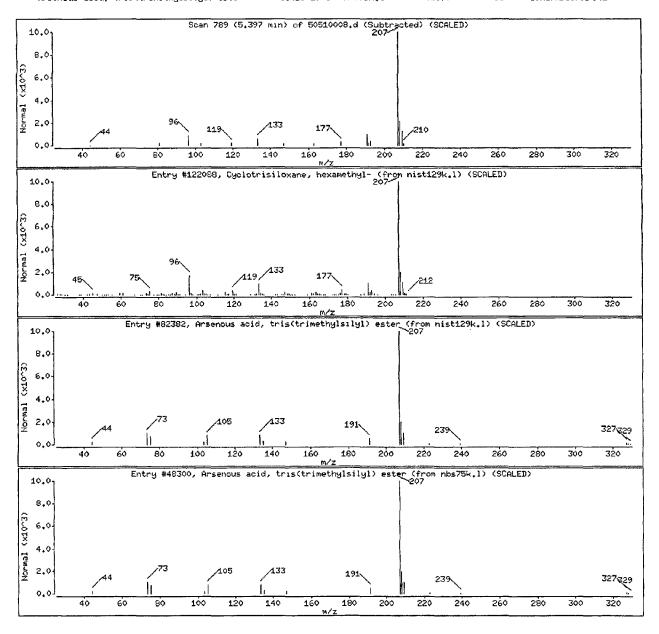
Client ID: Instrument: 30msv5.i

Sample Info: 3027140017,,6,98

Purge Volume: 5.0 Operator: JEW

Column phase: Rtx-VMS Column diameter: 0.18

Library Search Compound Hatch	CAS Humber	Library	Entry	Quality	Formula	Weight
column bleed	541-05-9	nist129k.l	122088	83	C6H1803Si3	222
Arsenous acid, tris(trimethylsilyl) este	55429-29-3	nist129k.1	82382	56	C9H27As039	i3342
Arsenous acid, tris(trimethylsilyl) este	55429-29-3	nbs75k.1	48300	56	C9H27As039	13 342



DIM0227749

Data File: \\30wintarget\chem\30msv5.i\5100510.b\1.b\50510008.d

Client ID:

Instrument: 30msv5,1

Sample Info: 3027140017,,6.98

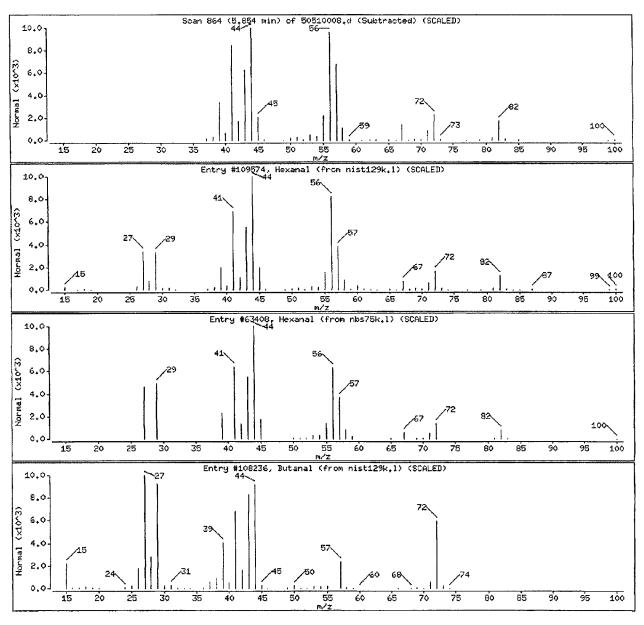
Purge Volume: 5.0

Operator: JEW

Column phase: Rtx-VMS

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Hexanal	66-25-1	nist129k.l	109574	91	C6H12O	100
Hexanal	66-25-1	nbs75k.1	63408	91	C6H120	100
Butanal	123-72-8	nist129k.l	108236	35	C4H8O	72



Data File: \\30wintarget\chem\30msv5.i\5100510.b\1.b\50510008.d

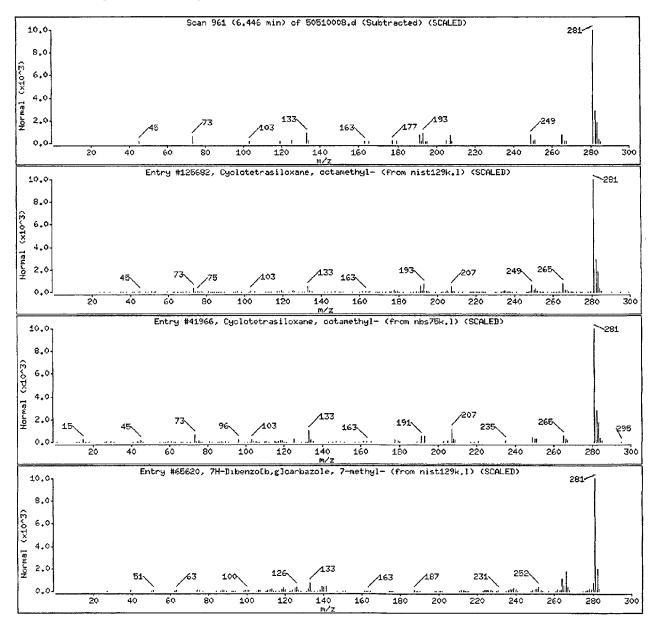
Client ID: Instrument: 30msv5.i

Sample Info: 3027140017,,6.98

Purge Volume: 5.0 Operator: JEN

Column phase: Rtx-VMS Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
column bleed	556-67-2	nist129k.1	125682	91	C8H24O4Si4	296
Cyclotetrasiloxane, octamethyl-	556-67-2	nbs75k.1	41966	86	C8H24O4Si4	296
7H-Dibenzo[b,g]carbazole, 7-methyl-	3557-49-1	nist129k.l	65620	59	C21H15N	281



Data File: \\30wintarget\chem\30msv5.i\5100510.b\1.b\50510008.d

Client ID:

Instrument: 30msv5.i

Sample Info: 3027140017,,6.98

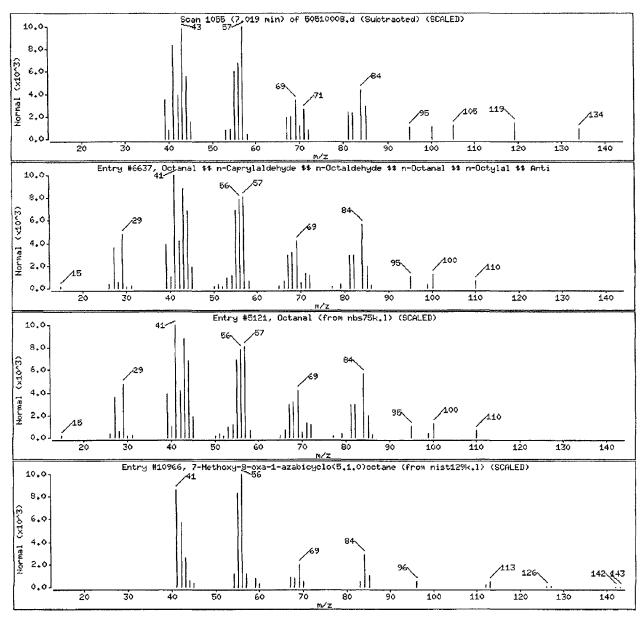
Purge Volume: 5.0

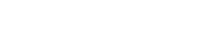
Operator: JEW

Column phase: Rtx-VMS

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Ootanal \$\$ n~Caprylaldehyde \$\$ n~Ootalda	124-13-0	nist129k.l	6637	83	C8H16O	128
Octanal	124-13-0	nbs75k_1	5121	83	C8H160	128
7-Methoxy-8-oxa-1-azabicyclo(5.1.0)octan	35009-23-5	nist129k,l	10966	43	C7H13N02	143





Data File: \\30wintarget\chem\30msv5.i\5100510.b\1.b\50510008.d

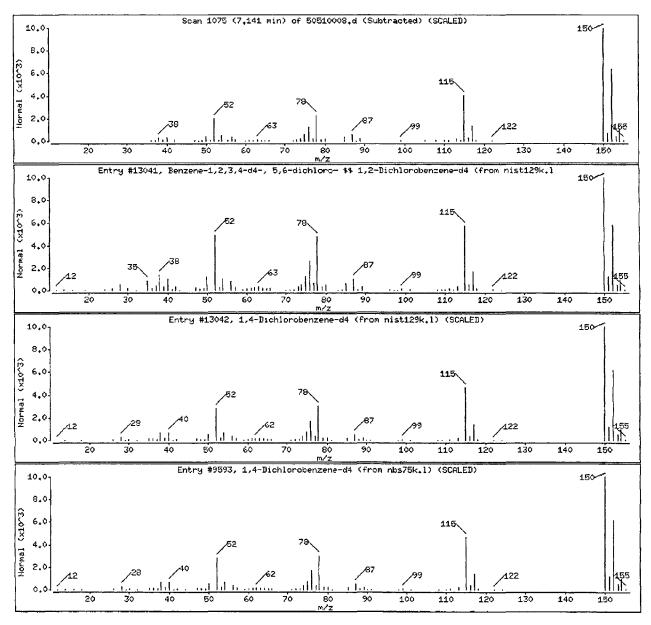
Client ID: Instrument: 30msv5.i

Sample Info: 3027140017,,6.98

Purge Volume: 5.0 Operator: JEW

Column phase: Rtx-VMS Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benzene-1,2,3,4-d4-, 5,6-dichloro- ** 1,	2199-69-1	nist129k.l	13041	90	C6D4C12	150
1,4-Dichlorobenzene-d4	3655-62-1	nist129k.l	13042	90	C6D4C12	150
1,4-Bichlorobenzene-d4	3855-82-1	nbs75k,1	9593	90	C6C12B4	150



Data File: \\30winterget\chem\30msv5.i\5100510.b\1.b\50510008.d

Client ID:

Instrument: 30msv5.i

Sample Info: 3027140017,,6.98

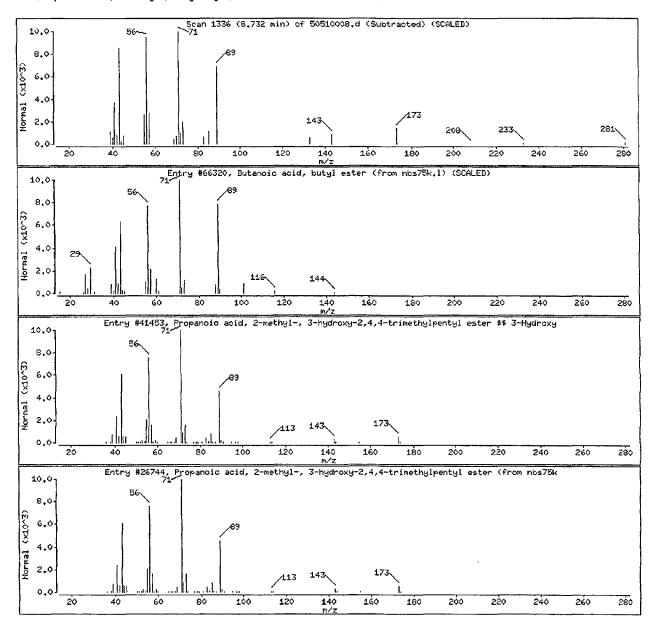
Purge Volume: 5.0

Operator: JEW

Column phase: Rtx-VMS

Column diameter: 0.18

Library Search Compound Natch Unknown	CAS Number	Library	Entry	Quality	Formula	Weight
Butanoic acid, butyl ester	109-21-7	nbs75k.1	66320	64	C8H1602	144
Propanoic acid, 2-methyl-, 3-hydroxy-2,4	74367-34-3	nist129k.l	41453	53	C12H2403	216
Propancic acid, 2-methyl-, 3-hydroxy-2,4	74367-34-3	nbs75k.1	26744	53	C12H24O3	216



FORM 1 URS Corporation - PG05-MAY-2010 13:40 VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 3027140A

Matrix: (soil/water) SOIL Lab Sample ID: 3027140013

Sample wt/vol: 6.0 (g/mL) G Lab File ID: 10506016

Level: (low/med) LOW Date Received: 05/05/10

% Moisture: not dec. 10 Date Analyzed: 05/06/10

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: ____(mL) Soil Aliquot Volume: ____(uL)

CONCENTRATION UNITS:

Number TICs found: 9 (ug/L or ug/Kg) ug/kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	~
2. 110-62-3 3. 66-25-1 4. 5. 1120-21-4 6. 544-76-3	N,N-DINITRO-1,3,5,7-TETRAZAB PENTANAL HEXANAL COLUMN BLEED UNDECANE HEXADECANE DODECANE HEPTADECANE \$\$ N-HEPTADECANE TETRADECANE	0.92 5.07 5.95 6.55 7.10 7.22 7.52		NJ NJ J NJ NJ NJ NJ

FORM I VOA-TIC

Data File: \\30wintarget\chem\30msv1.i\1050610.b\1.b\10506016.d

Date : 06-MAY-2010 17:30

Client ID: 2H/4H-4 Instrument: 30msv1.1

Sample Info: 3027140013,,5.98

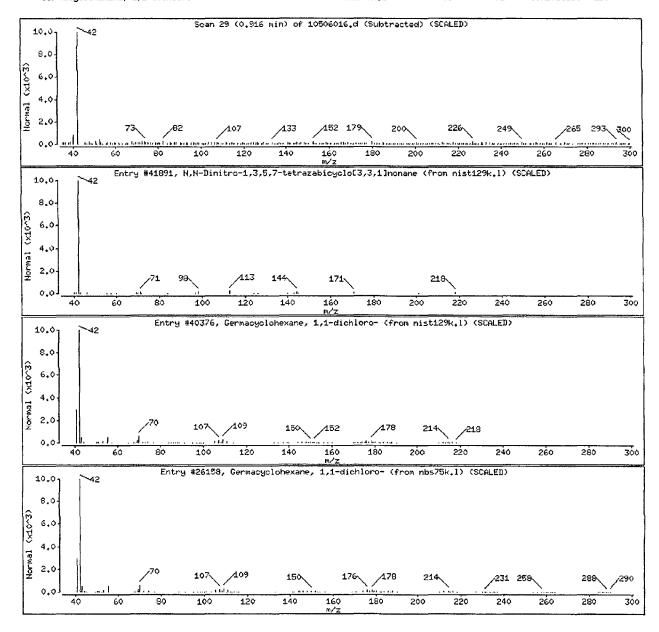
Purge Volume: 6.0

Operator: JEW

Column phase: RTX-VMS

Column diameter: 0,18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
N,N-Dinitro-1,3,5,7-tetrazabicyclo[3,3,1	0-00-0	nist129k,l	41891	72	C5H10N604	218
Germacyclohexane, 1,1-dichloro-	56438-28-9	nıst129k.l	40376	72	C5H10C12Ge	214
Germacyclohexane, 1,1-dichloro-	56438-28-9	nbs75k.1	26158	72	C5H1OC12Ge	214



Data File: \\30wintarget\chem\30msv1.i\1050610.b\1.b\10506016.d

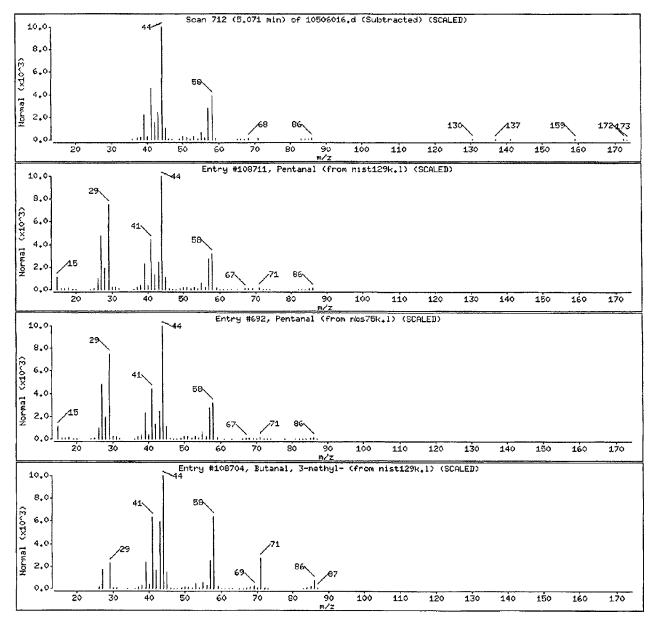
Client ID: 2H/4H-4 Instrument: 30msv1.i

Sample Info: 3027140013,,5.98

Purge Volume: 6.0 Operator: JEW

Column phase: RTX-VMS Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Pentanal	110-62-3	nist129k.l	108711	90	C5H1¢0	86
Pentanal	110-62-3	nbs75k.1	692	90	C5H100	86
Butanal, 3-methyl-	590-86-3	nist129k.l	108704	83	C5H100	86



Data File: \\30wintarget\chem\30msv1.1\1050610.b\1.b\10506016.d

Date : 06-MAY-2010 17:30

Client ID: 2H/4H-4 Instrument: 30msv1.i

Sample Info: 3027140013,,5,98

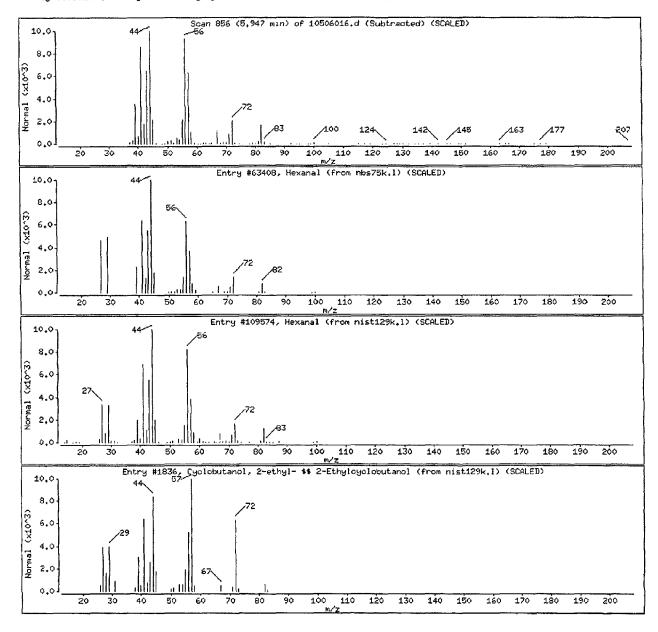
Purge Volume: 6.0

Operator: JEW

Column phase: RTX-VMS

Column diameter: 0.18

Library Search Compound Hatch	CAS Number	Library	Entry	Quality	Formula	Weight
Hexanal	66-25-1	nbs75k.1	63408	91	C6H12O	100
Hexanal	66-25-1	nist129k.l	109574	90	C6H12O	100
Cyclobutanol, 2-ethyl- \$\$ 2-Ethyloyolobu	35301-43-0	nist129k.l	1836	42	C6H120	100



Data File: \\30wintarget\chem\30msv1.i\1050610.b\1.b\10506016.d

Client ID: 2H/4H-4

Instrument: 30msv1.i

Sample Info: 3027140013,,5.98

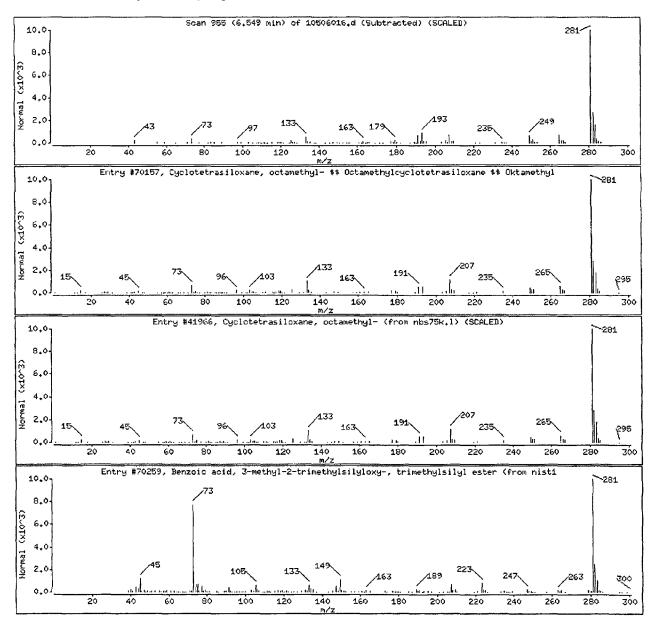
Purge Volume: 6.0

Operator: JEW

Column phase: RTX-VMS

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
column bleed						
Cyclotetrasiloxane, octamethyl- \$\$ Octam	556-67-2	nist129k.1	70157	86	C8H2404S14	296
Cyclotetrasiloxane, octamethyl-	556- 67- 2	nbs75k.l	41966	86	C8H24O4Si4	296
Benzoic acid, 3-methyl-2-trimethylsilylo	0-00-0	nist129k,1	70259	64	C14H24O3Si2	2 296



Data File: \\30wintarget\chem\30msv1.i\1050610.b\1.b\10506016.d

Date : 06-MAY-2010 17:30

Client ID: 2H/4H-4

Instrument: 30msv1.i

Sample Info: 3027140013,,5.98

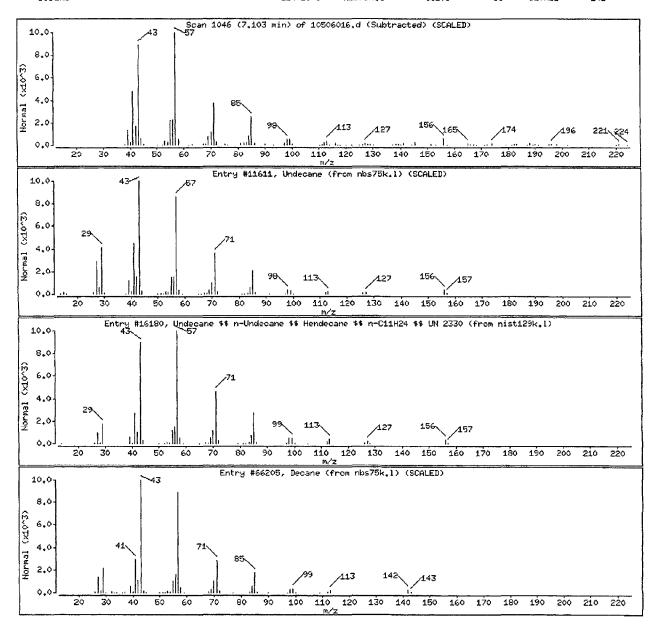
Purge Volume: 6.0

Operator: JEW

Column phase: RTX-VMS

Column diameter: 0.18

Library Search Compound Hatch	CAS Number	Library	Entry	Quality	Formula	Weight
Undecane	1120-21-4	nbs75k.1	11611	93	C11H24	156
Undecane \$\$ n-Undecane \$\$ Hendecane \$\$ n	1120-21-4	nist129k.l	16180	87	C11H24	156
Decane	124-18-5	nbs75k.I	66205	86	C10H22	142



Data File: \\30wintarget\chem\30msv1.i\1050610.b\1.b\10506016.d

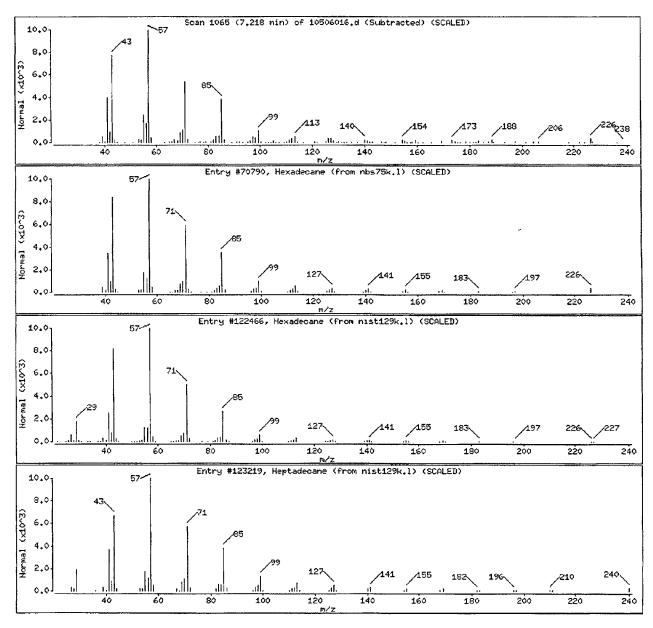
Client ID: 2H/4H-4 Instrument: 30msv1.i

Sample Info: 3027140013,,5.98

Purge Volume: 6.0 Operator: JEW

Column phase: RTX-VMS Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Hexadeoane	544-76-3	nbs75k.1	70790	98	C16H34	226
Hexadecane	544-76-3	nist129k.l	122466	97	C16H34	226
Heptadecane	629-78-7	nist129k.1	123219	90	C17H36	240



Data File: \\30wintarget\chem\30msv1.1\1050610.b\1.b\10506016.d

Client ID: 2H/4H-4 Instrument: 30msv1,i

Sample Info: 3027140013,,5.98

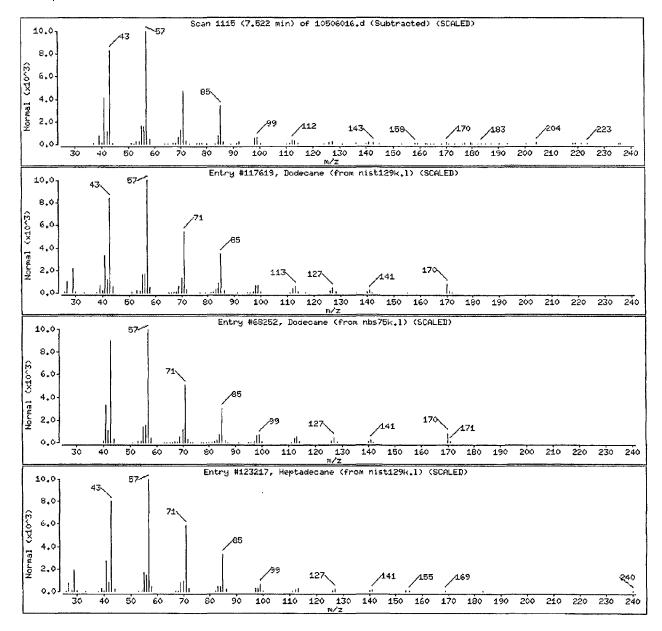
Purge Volume: 6.0

Operator: JEW

Column phase: RTX-VMS

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Dodepane	112-40-3	nist129k.l	117619	95	C12H26	170
Bodecane	112-40-3	nbs75k.1	68252	91	C12H26	170
Heptadecane	629-78-7	nist129k.l	123217	90	C17H36	240



Bata File: \\30wintarget\chem\30msv1,i\1050610,b\1,b\10506016,d

Client ID: 2H/4H-4

Instrument: 30msv1.i

Sample Info: 3027140013,,5.98

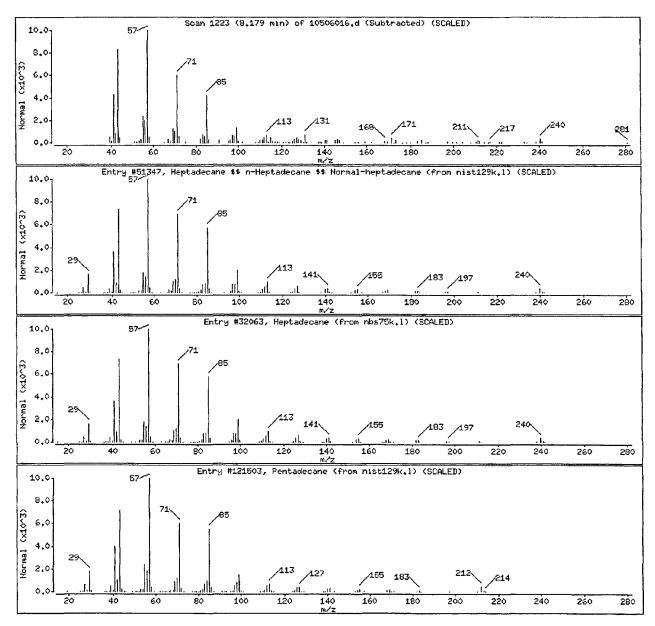
Purge Volume: 6.0

Operator: JEW

Column phase: RTX-VMS

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Heptadecane \$\$ n-Heptadecane \$\$ Normal-h	629-78-7	nist129k.l	51347	95	C17H36	240
Heptadecane	629-78-7	nbs75k,1	32063	95	C17H36	240
Pentadecane	629-62-9	nist129k.l	121503	93	C15H32	212



Data File: \\30wintarget\chem\30msv1.1\1050610.b\1.b\10506016.d

Date : 06-MAY-2010 17:30

Client ID: 2H/4H-4 Instrument: 30msv1.i

Sample Info: 3027140013,,5,98

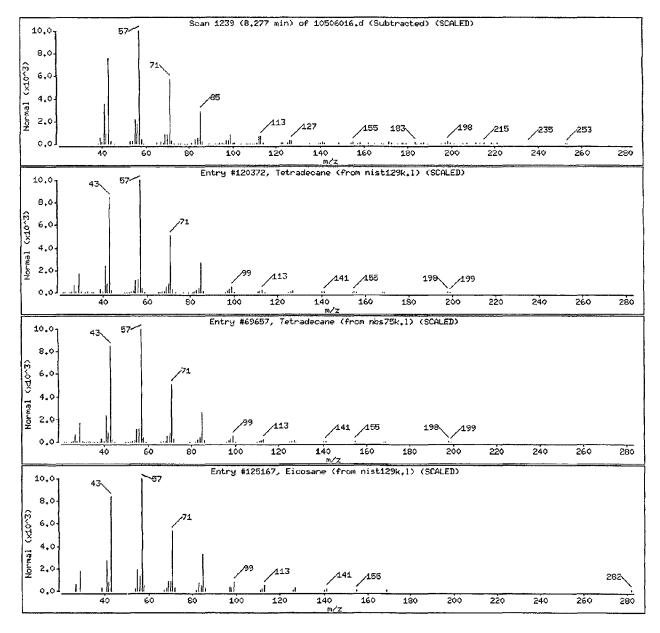
Furge Volume: 6.0

Operator: JEW

Column phase: RTX-VMS

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Tetradecane	629-59-4	nist129k.l	120372	91	C14H30	198
Tetradecane	629-59-4	nbs75k.1	69657	91	C14H30	198
Eigosane	112-95-8	nist129k.l	125167	86	C20H42	282



FORM 1

URS Corporation - PG05-MAY-2010 13:40

VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name:

Contract:

2H/4H-5

Lab Code:

Case No.:

SAS No.:

SDG No.: 3027140A

Matrix: (soil/water) SOIL

Lab Sample ID: 3027140015

Sample wt/vol:

1.5 (g/mL) G

Lab File ID: 10506017

Level: (low/med) LOW

Date Received: 05/05/10

% Moisture: not dec. 8

Date Analyzed: 05/06/10

GC Column: RTX-VMS ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (mL)

Soil Aliquot Volume: ____(uL)

Number TICs found: 6

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	~ 1
CAS NUMBER 1. 2. 110-62-3 3. 4. 66-25-1 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20.		0.92	132	===== J NJ J NJ J
21. 22. 23. 24. 25. 26. 27.				
29				

FORM I VOA-TIC

Data File: \\30wintarget\chem\30msv1.i\1050610.b\1.b\10506017.d

Client ID: 2H/4H-5

Instrument: 30msv1,1

Sample Info: 3027140015,,1,50

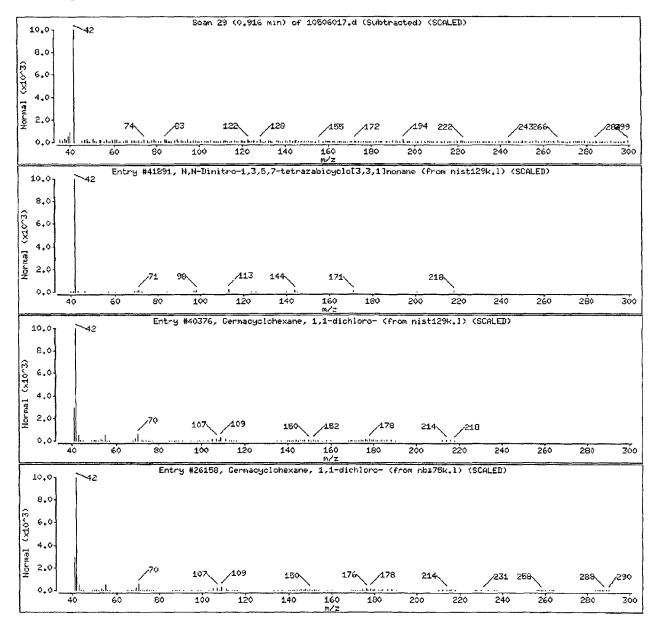
Purge Volume: 1.5

Operator: JEW

Column phase: RTX-VMS

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
N,N-Dinitro-1,3,5,7-tetrazabioyolo[3,3,1	0-00-0	nist129k.l	41891	64	C5H1ON684	218
Germacyclohexane, 1,1-dichloro-	56438-28-9	nist129k.l	40376	64	C5H10C12Ge	214
Germacyclohexane, 1,1-dichloro-	56438-28-9	nbs75k.1	26158	64	C5H1OC12Ge	214



Data File: \\30wintarget\chem\30msv1.i\1050610.b\1.b\10506017.d

Client ID: 2H/4H-5 Instrument: 30msv1.1

Sample Info: 3027140015,,1,50

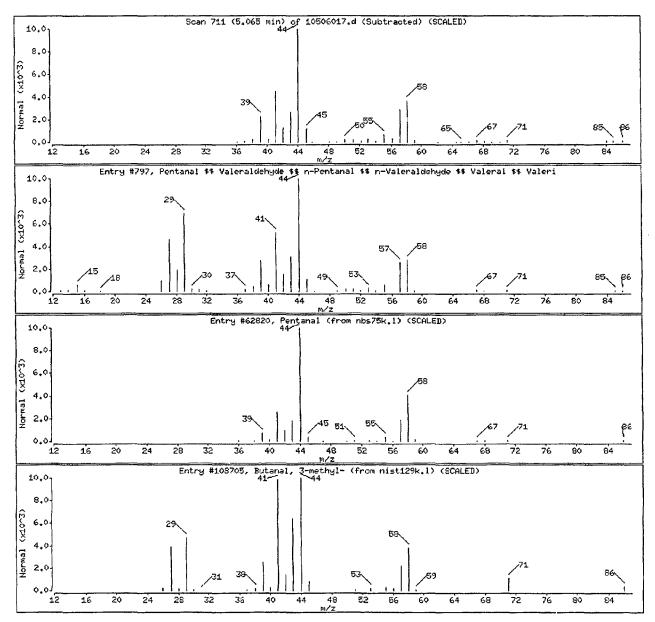
Purge Volume: 1.5

Operator: JEW

Column phase: RTX-VMS

Column diameter: 0,18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Pentanal \$\$ Valeraldehyde \$\$ n-Pentanal	110-62-3	nist129k.1	797	90	C5H100	86
Pentana1	110-62-3	nbs75k ₊ 1	62820	86	C5H100	86
Butanal, 3-methyl-	590-86-3	nist129k,1	108705	72	C5H100	86



Data File: \\30wintarget\chem\30msv1.i\1050610.b\1.b\10506017.d

Date : 06-MAY-2010 17:54

Client ID: 2H/4H-5 Instrument; 30msv1.i

Sample Info: 3027140015,,1.50

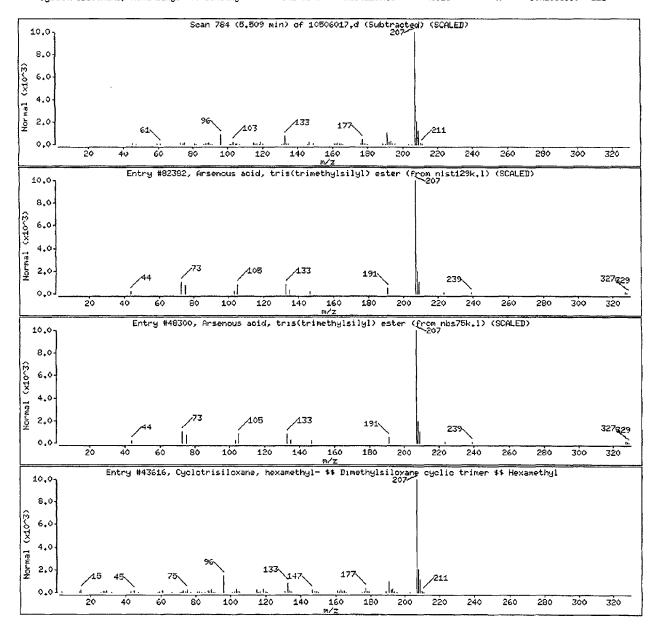
Purge Volume: 1,5

Operator: JEW

Column phase: RTX-VMS

Column diameter: 0.18

Library Search Compound Match column bleed	CAS Number	Library	Entry	Quality	Formula	Weight
Arsenous acid, tris(trimethylsilyl) este	55429-29-3	nist129k.l	82382	56	C9H27As039i	3 342
Arsenous acid, tris(trimethylsilyl) este	55429-29-3	nbs75k.1	48300	56	C9H27As03Si	3 342
Cuclotrisiloxane. hexamethul- \$\$ Dimethu	541-05-9	nist129k.l	43616	49	C6H18O3Si3	222



CABOT-EPA 006535

DIM0227768

Data File: \\30wintarget\chem\30msv1.i\1050610.b\1.b\10506017.d

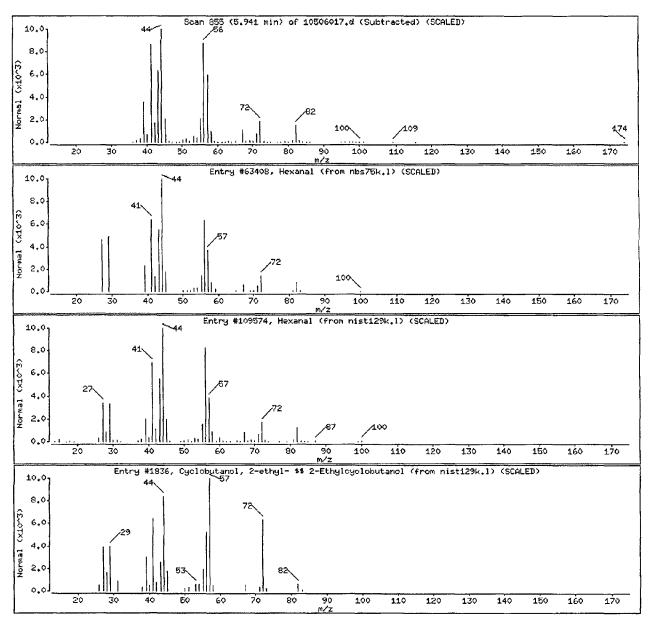
Client ID: 2H/4H-5 Instrument: 30msv1.i

Sample Info: 3027140015,,1.50

Purge Volume: 1.5 Operator: JEW

Column phase: RTX-VMS Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Hexanal	66-25-1	nbs75k.1	63408	91	C6H120	100
Hexanal	66-25-1	nis t129 k.1	109574	90	C6H120	100
Cyclobutanol, 2-ethyl- \$\$ 2-Ethyloyclobu	35301-43-0	nist129k,l	1836	64	C6H12O	100



Data File: \\30wintarget\chem\30msv1.i\1050610,b\1.b\10506017.d

Client ID: 2H/4H-5 Instrument: 30msvi.i

Sample Info: 3027140015,,1,50

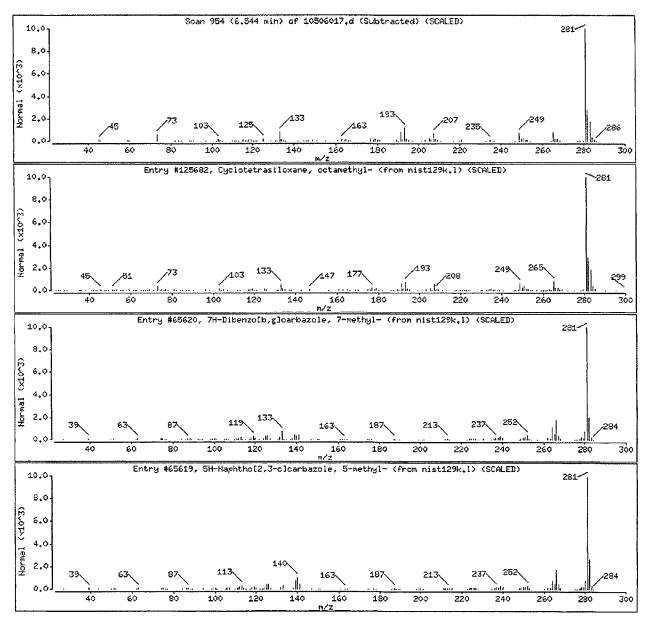
Purge Volume: 1.5

Operator: JEW

Column phase: RTX-VMS

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
column bleed						
Cyclotetrasiloxane, octamethyl-	556-67-2	nist129k.l	125682	91	C8H24O4\$i4	296
7H-Dibenzo[b,g]carbazole, 7-methyl-	3557-49-1	nist129k,1	65620	59	C21H15N	281
5H-Naphtho[2,3-c]carbazole, 5-methyl-	100025-44-3	nist129k,1	65619	45	C21H15N	281



Data File: \\30wintarget\chem\30msv1.i\1050610.b\1.b\10506017.d

Client ID: 2H/4H-5 Instrument: 30msv1,i

Sample Info: 3027140015,,1.50

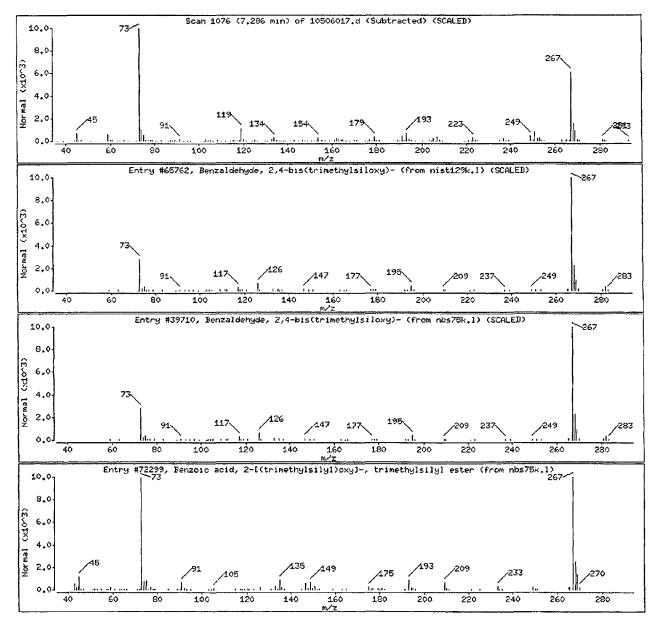
Purge Volume: 1.5

Operator: JEW

Column phase: RTX-VMS

Column diameter: 0.18

Library Search Compound Match column bleed	CAS Number	Library	Entry	Quality	Formula	Weight
Benzaldehyde, 2,4-bis(trimethylsiloxy)-	33617-38-8	nist129k,l	65762	64	C13H22O3S1	2 282
Benzaldehyde, 2,4-bis(trimethylsiloxy)-	33617-38-8	nbs75k.l	39710	64	C13H22O3Si	2 282
Benzoic acid, 2-[(trimethylsilyl)oxy]-,	3789-85-3	nbs75k.l	72299	59	C13H22O3Si	2 282



FORM 1 URS Corporation - PG05-MAY-2010 13:40

VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name:

Contract:

2H/4H-6

Lab Code:

Case No.:

SAS No.:

SDG No.: 3027140A

Matrix: (soil/water) SOIL

Lab Sample ID: 3027140019

Sample wt/vol:

6.5 (g/mL) G

Lab File ID: 10506019

Level: (low/med)

LOW

Date Received: 05/05/10

% Moisture: not dec. 4

Date Analyzed: 05/06/10

GC Column: RTX-VMS ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume:____(mL)

Soil Aliquot Volume: ____(uL)

.....

Number TICs found: 7

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 2. 3. 4. 5. 66-25-1 6. 7. 8.	UNKNOWN UNKNOWN UNKNOWN COLUMN BLEED HEXANAL COLUMN BLEED UNKNOWN	0.91 4.76 5.07 5.51 5.94 6.54 7.29	37.3 5.29 33.7 9.79 149 14.9 3.79	J J J NJ J
10. 11. 12. 13. 14. 15. 16. 17.				
18. 19. 20. 21. 22. 23. 24. 25.	-			
26. 27. 28. 29. 30.				

FORM I VOA-TIC

Data File: \\30wintarget\chem\30msv1.i\1050610,b\1.b\10506019.d

Date : 06-MAY-2010 18:43

Client ID: 2H/4H-6

Instrument: 30msv1.i

Sample Info: 3027140019,,6,55

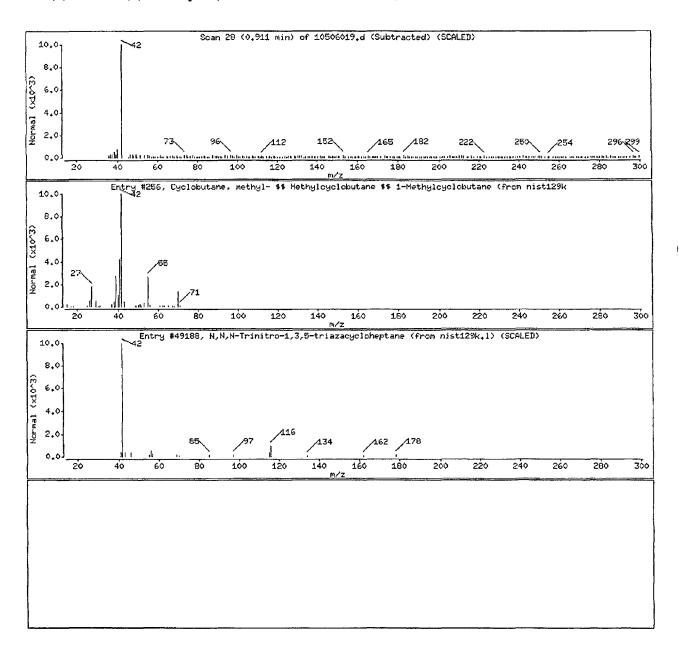
Purge Volume: 6.5

Operator: JEW

Column phase: RTX-VMS

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Cyclobutane, methyl- \$\$ Hethylcyclobutan	598-61-8	nist129k.l	256	45	C5H10	70
N,N,N-Trinitro-1,3,5-triazacycloheptane	0-00-0	nist129k.l	49188	39	C4H8N606	236



Data File: \\30wintarget\chem\30msv1.i\1050610.b\1.b\10506019.d

Date: 06-HAY-2010 18:43

Client ID: 2H/4H-6 Instrument: 30msv1.i

Sample Info: 3027140019,,6.55

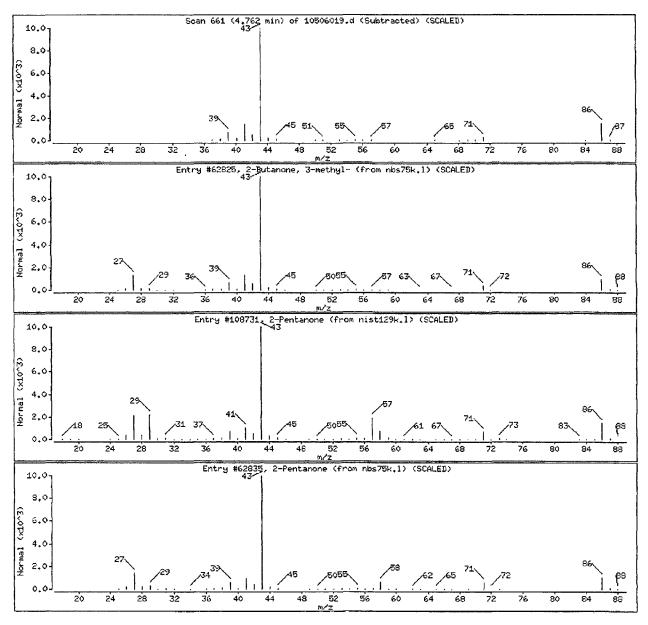
Purge Volume: 6.5

Operator: JEW

Column phase: RTX-VMS

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
2-Butanone, 3-methyl-	563-80-4	nbs75k.1	62825	86	C5H100	86
2-Pentanone	107-87-9	nist129k.1	108731	64	C5H100	86
2-Pentanone	107-87-9	nbs75k.1	62835	64	C5H100	86



Data File: \\30wintarget\chem\30msv1.i\1050610.b\1.b\10506019.d

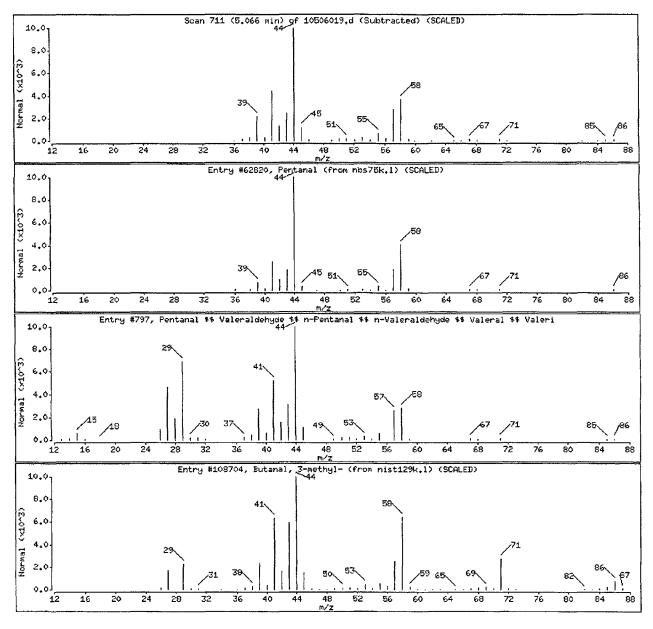
Client ID: 2H/4H-6 Instrument: 30msv1.i

Sample Info: 3027140019,,6.55

Purge Volume: 6.5 Operator: JEN

Column phase: RTX-VMS Column diameter: 0,18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Pentanal Pentanal	110-62-3	nbs75k ₊ 1	62820	86	C5H100	86
Pentanai \$\$ Valeraldehyde \$\$ n-Pentanal	110-62-3	nist129k,l	797	83	C5H100	86
Butanal, 3-methyl-	590-86-3	nist129k.1	108704	42	C5H100	86



Data File: \\30wintarget\chem\30msv1.i\1050610.b\1.b\10506019.d

Date : 06-MAY-2010 18:43

Client ID: 2H/4H-6

Instrument: 30msv1.i

Sample Info: 3027140019,,6.55

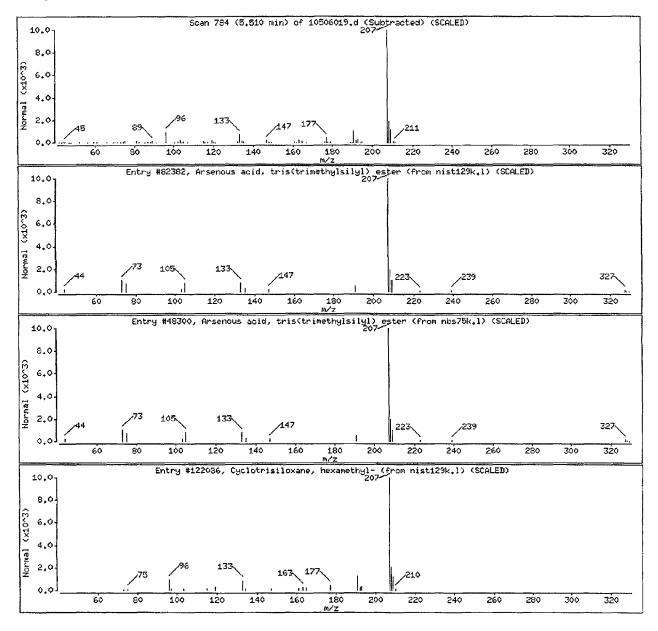
Purge Volume: 6.5

Operator: JEW

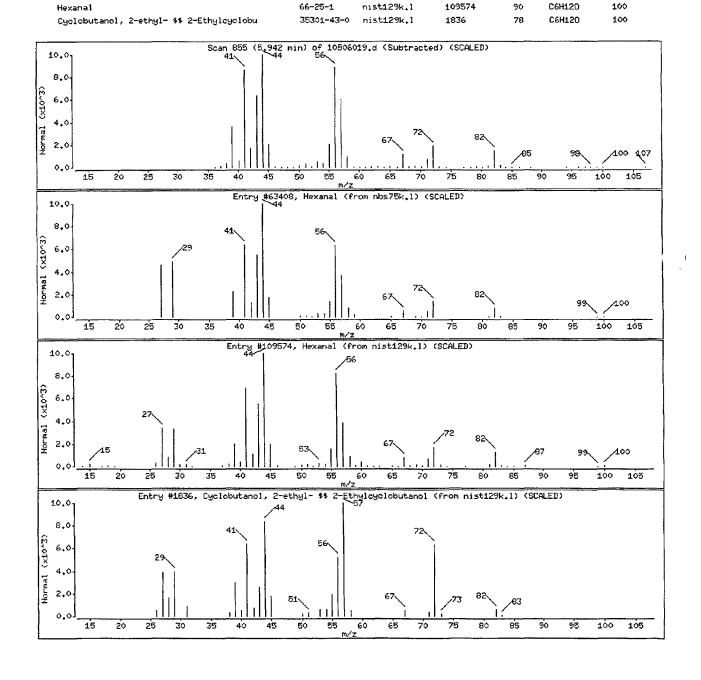
Column phase: RTX-VMS

Column diameter: 0.18

Library Search Compound Hatch column bleed	CAS Humber	Library	Entry	Quality	Formula	Weight
Arsenous acid, tris(trimethylsilyI) este	55429-29-3	nıst129k,l	82382	56	C9H27As03S	13 342
Arsenous acid, tris(trimethylsily1) este	55429-29-3	nbs75k₊1	48300	56	C9H27As03\$	i3 342
Cyclotrisiloxane, hexamethyl-	541-05-9	nist129k.l	122086	49	C6H18O3S13	222



Data File: \\30wintarget\chem\30msv1.i\1050610.b\1.b\10506019.d Date : 06-MAY-2010 18:43 Client IB: 2H/4H-6 Instrument: 30msv1.i Sample Info: 3027140019,,6,55 Purge Volume: 6.5 Operator: JEW Column diameter: 0,18 Column phase: RTX-VMS Library Search Compound Match CAS Number Entry Quality Formula Weight Library 100 Hexanal 66-25-1 nbs75k.1 63408 91 C6H120



Data File: \\30wintarget\chem\30msv1.i\1050610.b\1.b\10506019.d

Date : 06-MAY-2010 18:43

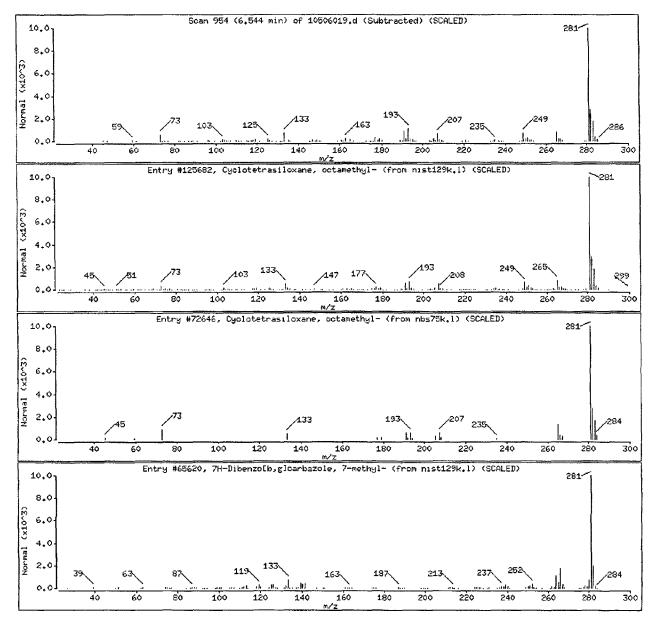
Client ID: 2H/4H-6 Instrument: 30msv1.i

Sample Info: 3027140019,,6,55

Punge Volume: 6.5 Operator: JEW

Column phase: RTX-VMS Column diameter: 0.18

Library Search Compound Match column bleed	CAS Number	Library	Entry	Quality	Formula	Weight
Cyclotetrasiloxane, octamethyl-	556-67-2	nist129k,l	125682	91	C8H24O4Si4	296
Cyclotetrasiloxane, octamethy!-	556-67-2	nbs75k.l	72646	80	C8H24O4Si4	296
7H-DiberzoCb,gloarbazole, 7-methyl-	3557-49-1	nist129k,1	65620	59	C21H15N	281



Data File: \\30wintarget\chem\30msv1.i\1050610.b\1.b\10506019.d

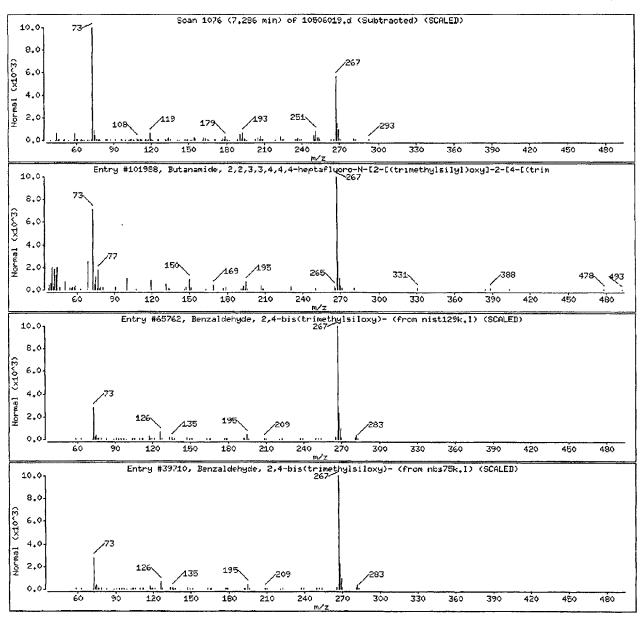
Client ID: 2H/4H-6 Instrument: 30msv1.i

Sample Info: 3027140019,,6,55

Purge Volume: 6.5 Operator: JEW

Column phase: RTX-VMS Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Butanamide, 2,2,3,3,4,4,4-heptafluoro-N-	55471-01-7	nist129k.l	101988	64	C18H26F7H	03S #293
Benzaldehyde. 2,4-bis(trimethylsiloxy)-	33617-38-8	nist129k.1	65762	64	C13H22O3S:	12 282
Benzaldehyde, 2,4-bis(trimethylsiloxy)-	3 3 617-38 - 8	nbs75k.1	39710	64	C13H22O3S	i2 282



URS Corporation - PG05-MAY-2010 13:40 FORM 1 VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name:

Contract:

2H/4H-7

Lab Code:

Case No.:

SAS No.:

SDG No.: 3027140

Matrix: (soil/water) SOIL

Lab Sample ID: 3027140005

Sample wt/vol:

5.0 (g/mL) G

Lab File ID: 50510007

Level: (low/med)

LOW

Date Received: 05/05/10

% Moisture: not dec. 57

Date Analyzed: 05/10/10

GC Column: RTX-VMS ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: ____(mL)

Soil Aliquot Volume: ____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/kg

Number TICs found: 11

FORM I VOA-TIC

Data File: \\30wintarget\chem\30ms\/5.i\5100510.b\1.b\50510007.d

Date : 10-MAY-2010 11:45

Client ID: Instrument: 30msv5.i

Sample Info: 3027140005,,8.84

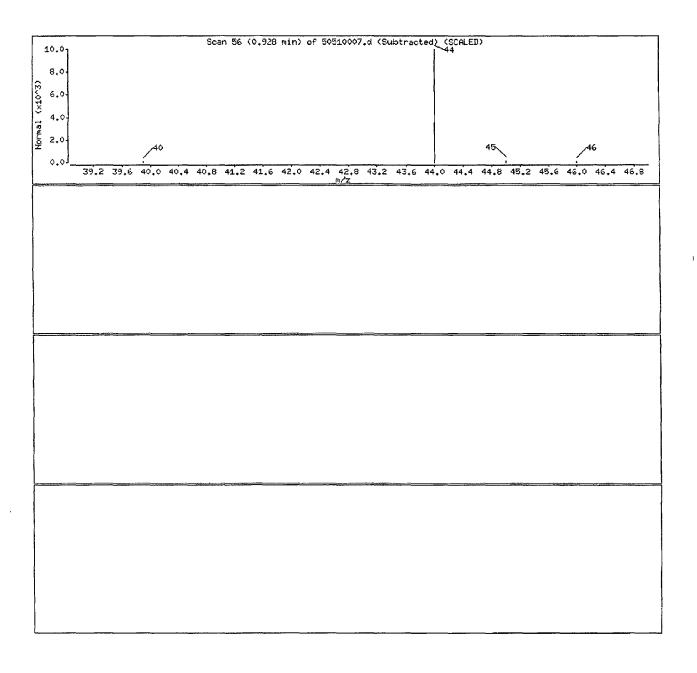
Purge Volume: 5.0

Operator: JEW

Column phase: Rtx-VMS Column diameter: 0.18

Library Search Compound Match CAS Number Library Entry Quality Formula Weight

Unknown 0 0 0



Data File: \\30wintarget\chem\30msv5.i\5100510.b\1.b\50510007.d

Client ID:

Instrument: 30msv5.i

Sample Info: 3027140005,,8.84

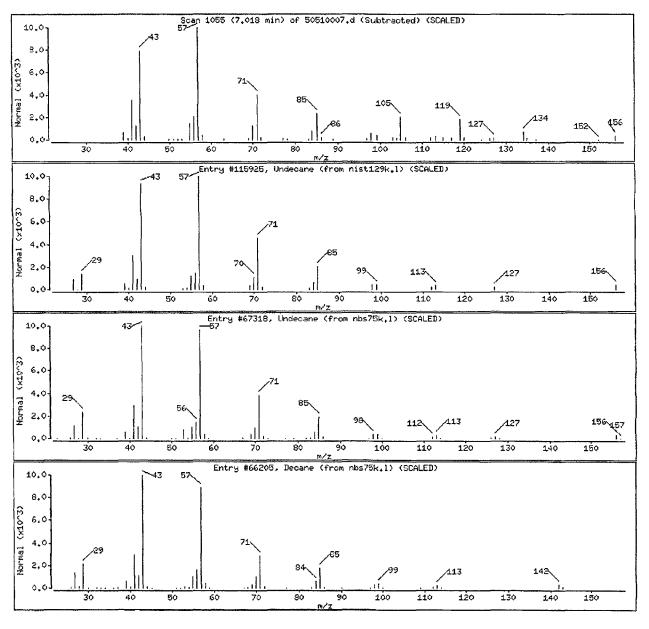
Purge Volume: 5.0

Operator: JEN

Column phase: Rtx-VMS

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Undecane	1120-21-4	nist129k,1	115925	93	C11H24	156
Undecane	1120-21-4	nbs75k.1	67318	89	C11H24	156
Decane	124-18-5	nbs75k.1	66205	58	C10H22	142



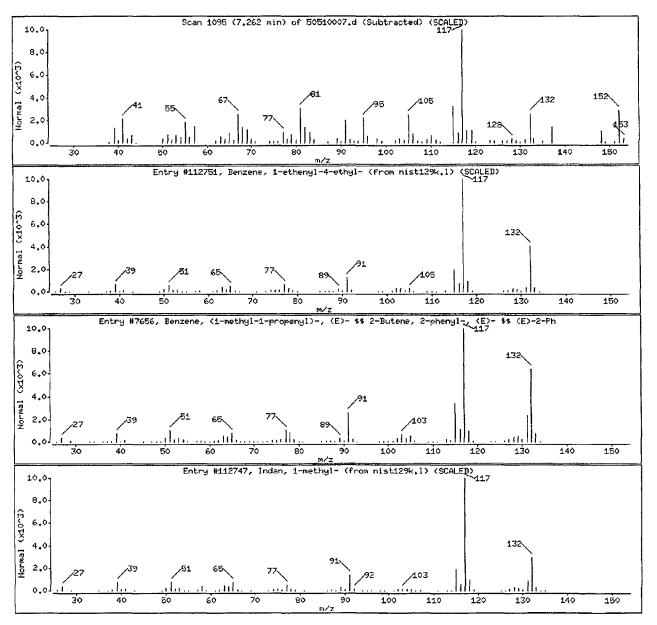
Client ID: Instrument: 30msv5.i

Sample Info: 3027140005,,8.84

Purge Volume: 5.0 Operator: JEW

Column phase: Rtx-VMS Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Benzene, 1-ethenyl-4-ethyl-	3454-07-7	nist129k,1	112751	60	C10H12	132
Benzene, (1-methyl-1-propenyl)-, (E)- \$\$	768-00-3	nist129k.l	7656	60	C10H12	132
Indan, 1-methyl-	767-58-8	nist129k.1	112747	60	C10H12	132



Data File: \\30wintarget\chem\30msv5.i\5100510.b\1.t\50510007.d

Date : 10-MAY-2010 11:45

Client ID:

Instrument: 30msv5.i

Sample Info: 3027140005,,8.84

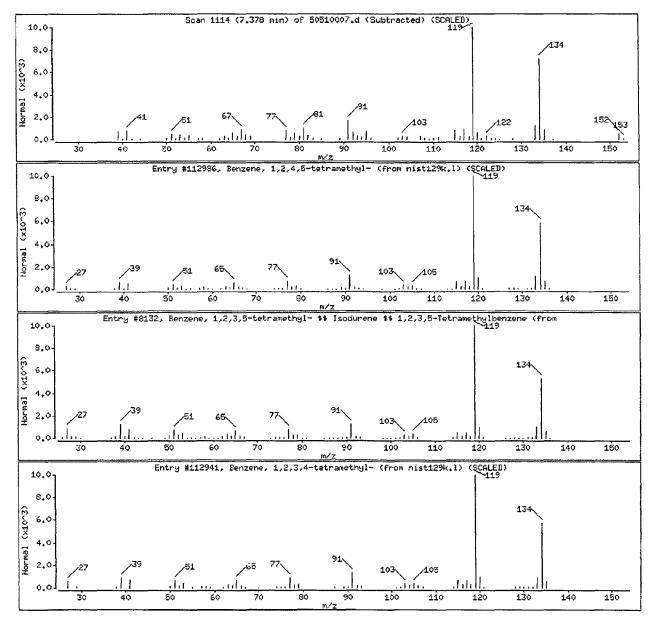
Purge Volume: 5.0

Operator: JEW

Column phase: Rtx-VMS

Column diameter: 0.18

Library Search Compound Match	CAS Humber	Library	Entry	Quality	Formula	Weight
Benzene, 1,2,4,5-tetramethyl-	95-93-2	nist129k.l	112986	90	C10H14	134
Benzene, 1,2.3,5-tetramethyl- \$\$ Isodure	527-53-7	nist129k.1	8132	90	C10H14	134
Benzene, 1,2,3,4-tetramethyl-	488-23-3	nist129k.l	112941	90	C10H14	134



Client ID:

Instrument: 30msv5.1

Sample Info: 3027140005,,8.84

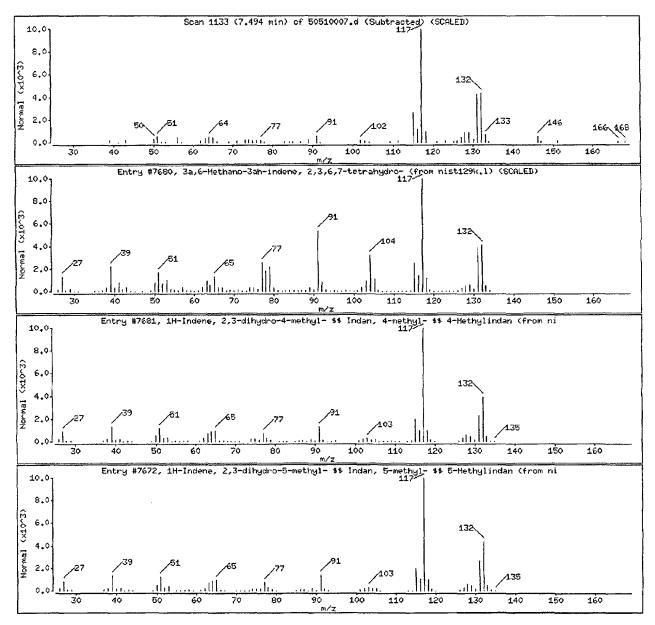
Purge Volume: 5.0

Operator: JEW

Column phase: Rtx-VMS

Column diameter: 0,18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
3a,6-Methano-3ah-indene, 2,3,6,7-tetrahy	98640-29-0	nist129k.l	7680	90	C10H12	132
1H-Indene, 2,3-dihydro-4-methyl- 🗱 Inda	824-22-6	nist129k.l	7681	83	C10H12	132
1M-Indene, 2,3-dihydro-5-methyl- \$\$ Inda	874-35-1	nist129k,1	7672	83	C10H12	132



Data File: \\30wintarget\chem\30msv5.i\5100510.b\1.b\50510007.d

Client ID:

Instrument: 30msv5.i

Sample Info: 3027140005,,8,84

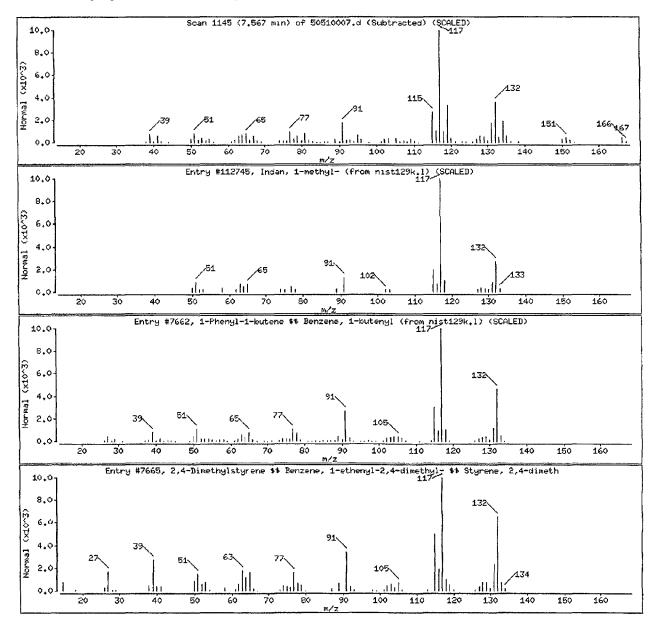
Purge Volume: 5.0

Operator: JEW

Column phase: Rtx-VMS

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Indan, 1-methyl-	767-58-8	nist129k.1	112745	95	C10H12	132
1-Phenyl-1-butene \$\$ Benzene, 1-butenyl	824-90 -8	nist129k,l	7662	95	C10H12	132
2,4-Dimethylstyrene \$\$ Benzene, 1-etheny	2234-20-0	nist129k.l	7665	95	C10H12	132



Data File: \\30wintarget\chem\30msv5.i\5100510.b\1.b\50510007.d

Client ID:

Instrument: 30msv5.i

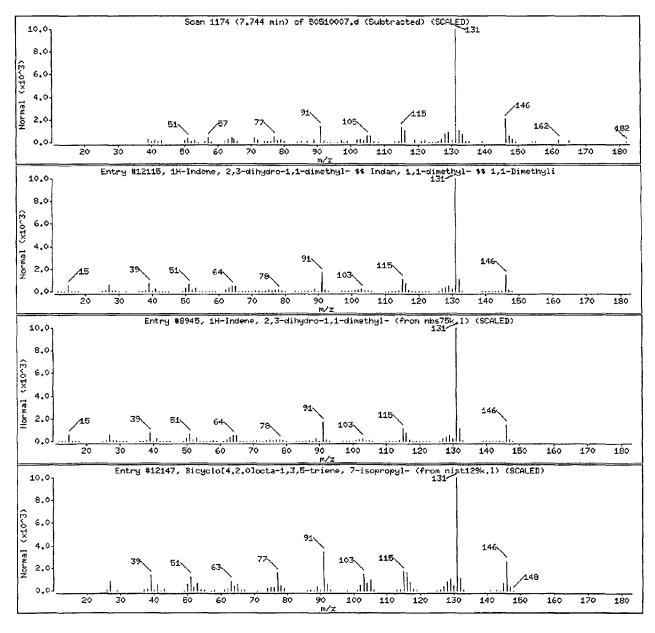
Sample Info: 3027140005.,8.84

Purge Volume: 5.0

Operator: JEW

Column phase: Rtx-VMS Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
1H-Indene, 2,3-dihydro-1,1-dimethyl- \$\$	4912-92-9	nist129k.l	12115	90	C11H14	146
1H-Indene, 2,3-dihydro-1,1-dimethyl-	4912-92-9	nbs75k.1	8945	90	C11H14	146
Bicyclo[4.2.0]octa-1,3,5-triene, 7-isopr	27087-54-3	nist129k.1	12147	87	C11H14	146



Data File: \\30wintarget\chem\30msv5.i\5100510.b\1.b\50510007.d

Client ID:

Instrument: 30msv5.i

Sample Info: 3027140005,,8,84

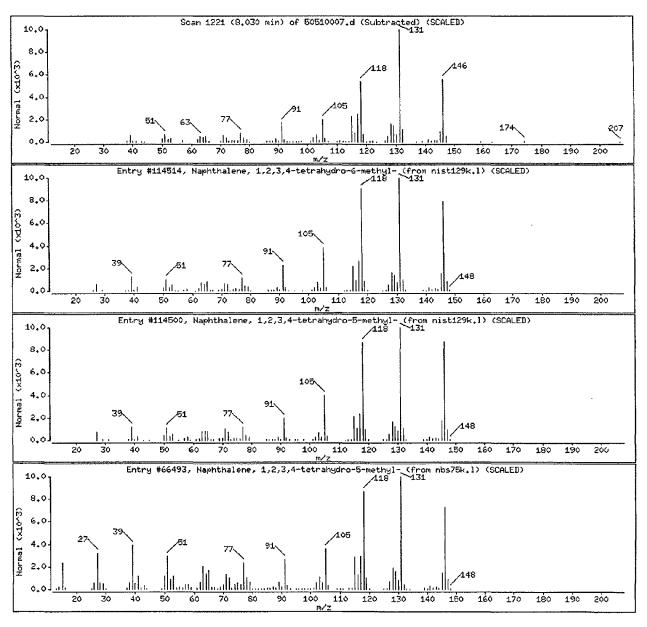
Purge Volume: 5.0

Operator: JEW

Column phase: Rtx-VMS

Column diameter: 0.18

Library Search Compound Hatch	CAS Number	Library	Entry	Quality	Formula	Weight
Naphthalene, 1,2,3,4-tetrahydro-6-methyl	1680-51-9	nist129k,l	114514	95	C11H14	146
Naphthalene, 1,2,3,4-tetrahydro-6-methyl	2809-64-5	nist129k.l	114500	95	C11H14	146
Naphthalene, 1,2,3,4-tetrahydro-5-methyl	2809-64-5	nbs75k.1	66493	94	C11H14	146



Data File: \\30wintarget\chem\30msv5.i\5100510.b\1.b\50510007.d

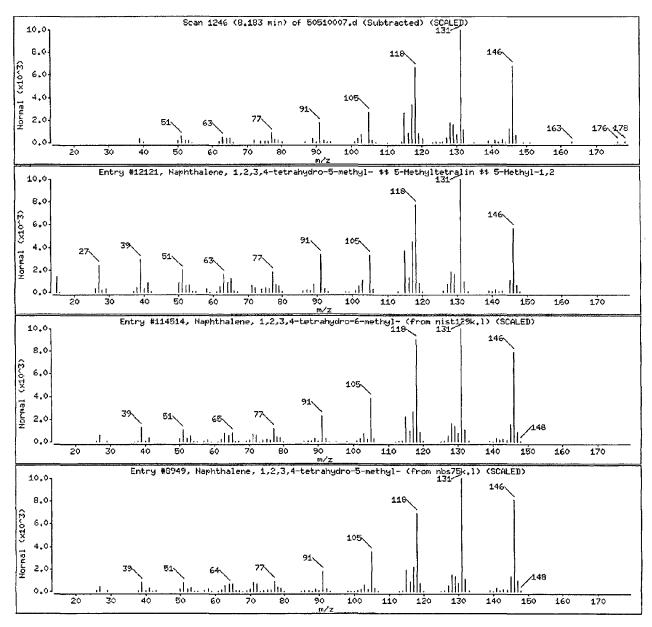
Client ID: Instrument: 30msv5.:

Sample Info: 3027140005,,8.84

Purge Volume: 5.0 Operator: JEW

Column phase: Rtx-VMS Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Naphthalene, 1,2,3,4-tetrahydro-5-methyl	2809-64-5	nist129k,1	12121	97	C11H14	146
Naphthalene, 1,2,3,4-tetrahydro-6-methyl	1680-51-9	nist129k.l	114514	97	C11H14	146
Naphthalene, 1,2,3,4-tetrahydro-5-methyl	2809-64-5	nbs75k.1	8949	97	C11H14	146



Data File: \\30wintarget\chem\30msv5.1\5100510.b\1.b\50510007.d

Date : 10-MAY-2010 11:45

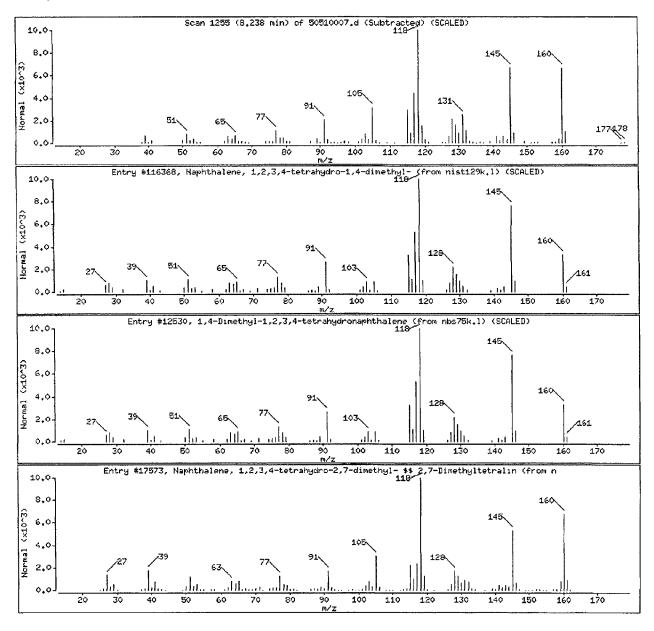
Client ID: Instrument; 30msv5.i

Sample Info: 3027140005,,8.84

Purge Volume: 5.0 Operator: JEW

Column phase: Rtx-VMS Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Naphthalene, 1,2,3,4-tetrahydro-1,4-dime	4175-54-6	nist129k.1	116368	91	C12H16	160
1,4-Dimethyl-1,2,3,4-tetrahydronaphthale	0-00-0	nbs75k.1	12530	91	C12H16	160
Naphthalene, 1,2,3,4-tetrahydro-2,7-dime	13065-07-1	nist129k.l	17573	90	C12H16	160



Nata File: \\30wintarget\chem\30msv5.i\5100510.b\1.b\50510007.d

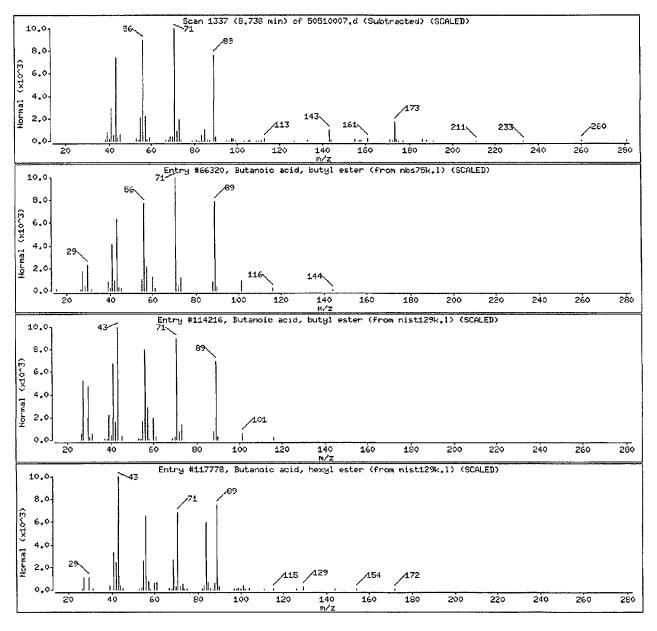
Client ID: Instrument: 30msv5.i

Sample Info: 3027140005,,8.84

Purge Volume: 5.0 Operator: JEW

Column phase: Rtx-VMS Column diameter: 0,18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Butanoic acid, butyl ester	109-21-7	nbs75k . 1	66320	87	C8H1602	144
Butanoic acid, butyl ester	109-21-7	nist129k.1	114216	64	C8H1602	144
Butanoic acid, hexyl ester	2639-63-6	nist129k.l	117778	64	C10H2002	172



URS Corporation - PG05-MAY-2010 13:40

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

2H/4H-8

Lab Name:

Contract:

Lab Code:

Case No.:

SAS No.:

SDG No.: 3027140A

Matrix: (soil/water) SOIL

Lab Sample ID: 3027140021

Sample wt/vol:

4.6 (g/mL) G

Lab File ID: 10506020

Level: (low/med) LOW Date Received: 05/05/10

% Moisture: not dec. 22

Date Analyzed: 05/06/10

GC Column: RTX-VMS ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Aliquot Volume: (uL)

Soil Extract Volume: (mL)

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/kg

Number TICs found: 12

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	1 ~ I
1. 2. 74-98-6 3. 4. 66-25-1 5. 124-18-5 6. 1120-21-4 7. 8. 112-40-3 9. 10. 11. 12. 629-50-5 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27. 28. 29. 30.	UNKNOWN PROPANE UNKNOWN HEXANAL DECANE UNDECANE UNKNOWN DODECANE \$\$ N-DODECANE \$\$ AD UNKNOWN UNKNOWN UNKNOWN TRIDECANE \$\$ N-TRIDECANE \$\$	0.93 0.99 1.12 5.95 6.63 7.10 7.34	193 476 117 52.0 52.0 97.1 63.6 47.4 49.1 38.4 38.5	J ガ カ ガ ガ ガ カ カ カ カ カ カ カ カ カ カ カ カ カ

FORM I VOA-TIC

Data File: \\30wintarget\chem\30msv1.i\1050610.b\1.b\10506020.d

Date : 06-MAY-2010 19:07

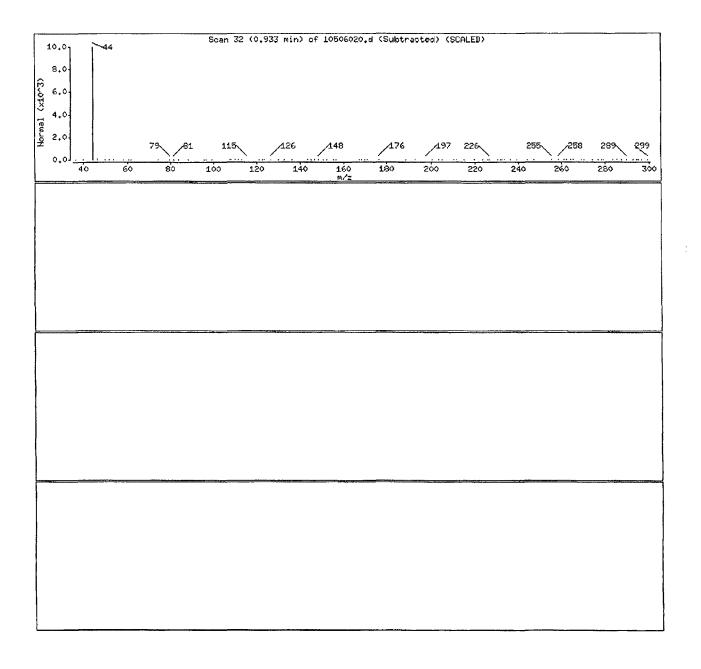
Client ID: 2H/4H-8 Instrument: 30msv1.i

Sample Info: 3027140021,,4.64

Purge Volume: 4.6 Column phase: RTX-VHS Operator: JEW

Column diameter: 0.18

Library Search Compound Match CAS Number Library Entry Quality Formula Weight



Data File: \\30wintarget\chem\30msv1.1\1050610.b\1.b\10506020.d

Date : 06-MAY-2010 19:07

Client ID: 2H/4H-8

Instrument: 30msv1.1

Sample Info: 3027140021,,4.64

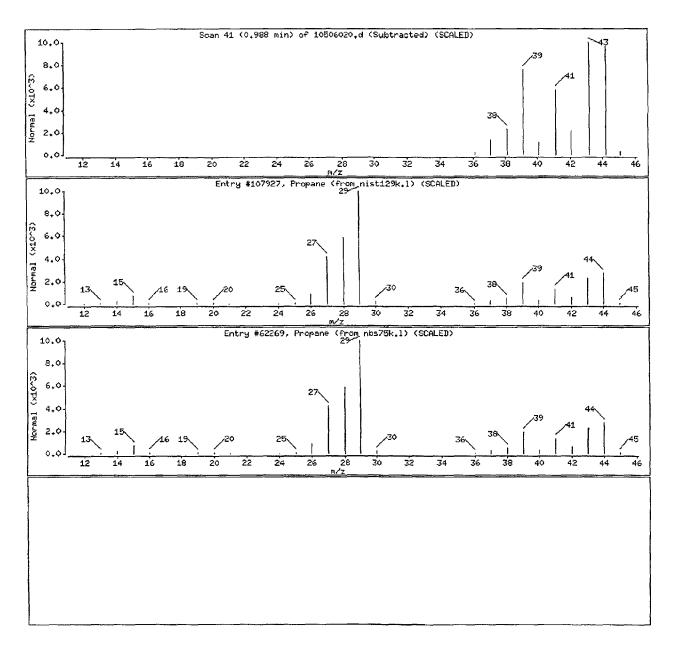
Purge Volume: 4.6

Operator: JEW

Column phase: RTX-VMS

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Propane	74-98-6	nist129k.l	107927	90	C3H8	44
Propane	74-98-6	nbs75k.l	62269	90	C3H8	44



Data File: \\30wintarget\chem\30msv1.i\1050610.b\1.b\10506020.d

Date : 06-MAY-2010 19:07

Client ID: 2H/4H-8 Instrument: 30msv1.i

Sample Info: 3027140021,,4.64

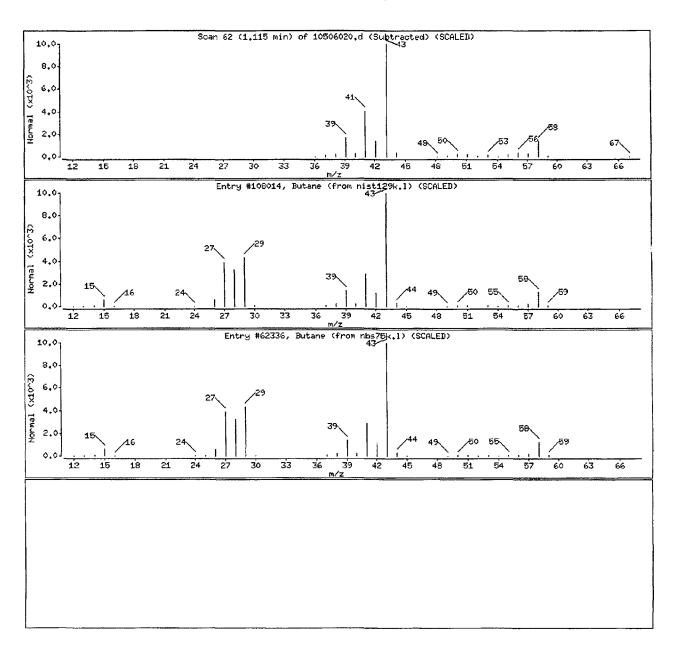
Purge Volume: 4.6

Operator: JEW

Column phase: RTX-VMS

Column diameter: 0.18

Library Search Compound Match	CAS Mumber	Library	Entry	Quality	Formula	Weight
Unknown						
Butane	106-97-8	nist129k.l	108014	86	C4H10	58
Butane	106-97-8	nbs75k.1	62336	86	C4H10	58



Data File: \\30wintarget\chem\30msv1.i\1050610.b\1.b\10506020.d

Date : 06-MAY-2010 19:07

Client ID: 2H/4H-8

Instrument: 30msv1.i

Sample Info: 3027140021,,4.64

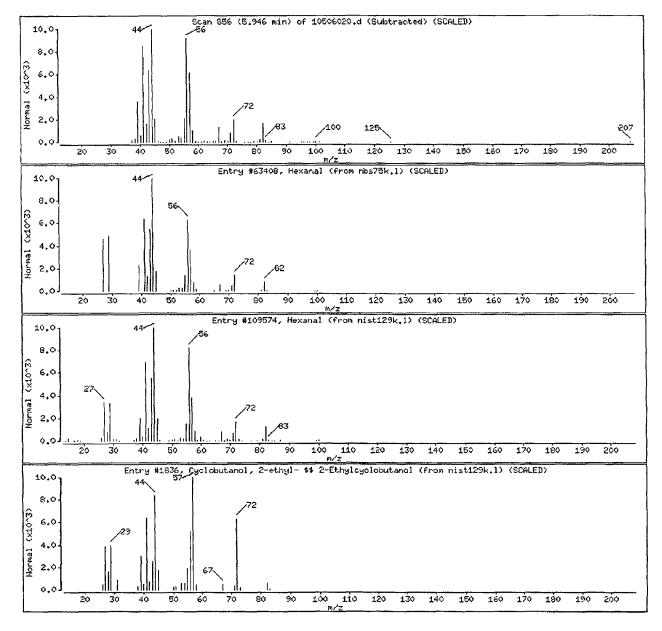
Purge Volume: 4.6

Operator: JEW

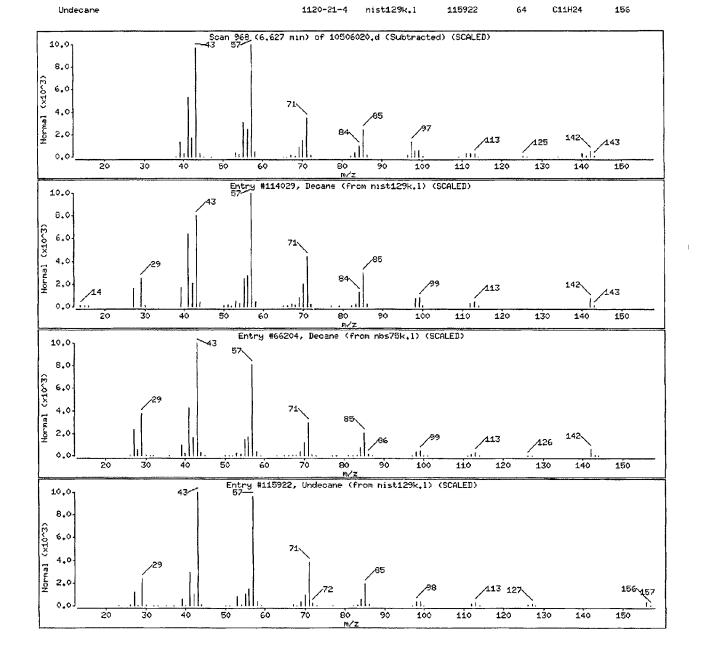
Column phase: RTX-VMS

Column dismeter: 0.18

Library Search Compound Match	CAS Number	Likrary	Entry	Quality	Formula	Weight
Hexanal	66-25-1	nbs75k.1	63408	91	C6H12O	100
Hexanal	66-25-1	nist129k,l	109574	90	C6H120	100
Cyclobutanol, 2-ethyl- \$\$ 2-Ethylcyclobu	35301-43-0	nist129k.l	1836	38	C6H12O	100



Data File: \\30wintarget\chem\30msv1.i\1050610.b\1.b\10506020.d Date : 06-MAY-2010 19:07 Client ID: 2H/4H-8 Instrument: 30msv1.i Sample Info: 3027140021,,4.64 Purge Volume: 4.6 Operator: JEW Column phase: RTX-VMS Column diameter: 0.18 Library Search Compound Match CAS Number Library Entry Quality Formula Weight 124-18-5 95 C10H22 142 Decane nist129k.l 114029 124-18-5 nbs75k.l 66204 81 C10H22 142 Decane



Data File: \\30wintarget\chem\30msv1.i\1050610.b\1.b\10506020.d

Date : 06-MAY-2010 19:07

Client ID: 2H/4H-8

Instrument: 30msv1.i

Sample Info: 3027140021,,4.64

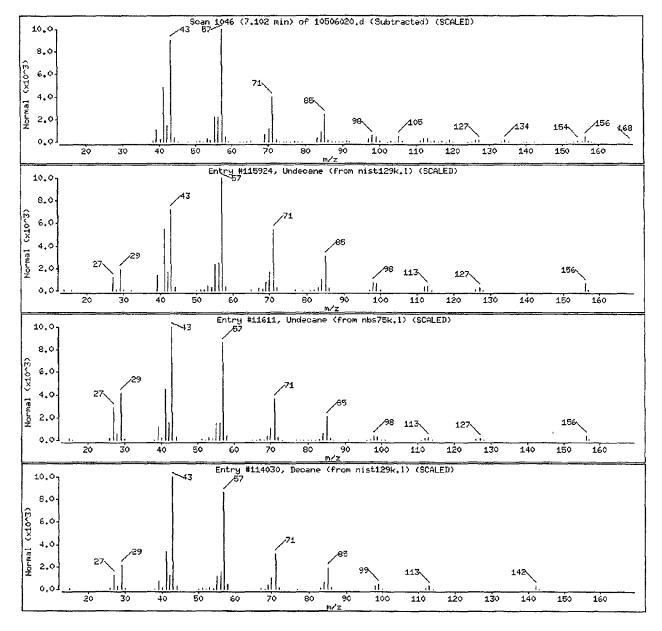
Purge Volume: 4.6

Operator: JEW

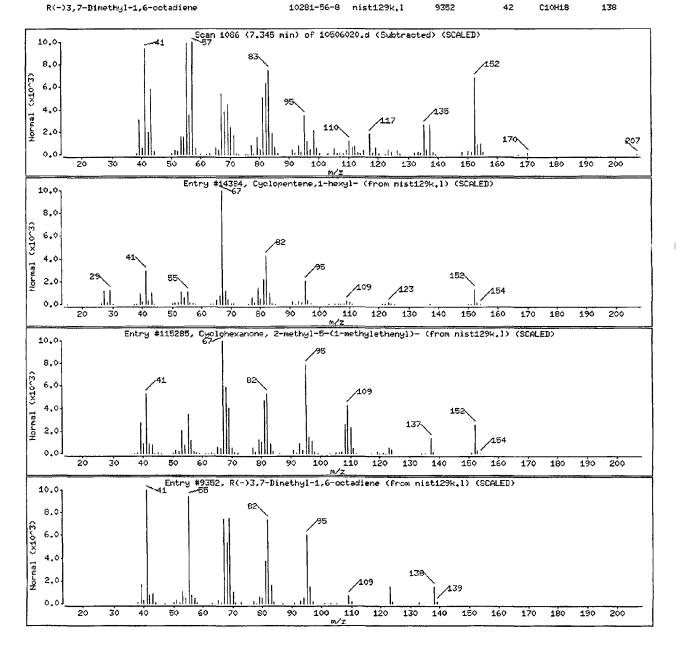
Column phase: RTX-VMS

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Undecane	1120-21-4	nist129k,l	115924	94	C11H24	156
Undecana	1120-21-4	mbs75k₊l	11611	94	C11H24	156
Decane	124-18-5	nist129k.l	114030	91	C10H22	142



Data File: \\30wintarget\chem\30msv1.i\1050610.b\1.b\10506020.d Bate : 06-MAY-2010 19:07 Client ID: 2H/4H-8 Instrument: 30msv1.1 Sample Info: 3027140021,,4.64 Purge Volume: 4.6 Operator: JEW Column phase: RTX-VM3 Column diameter: 0.18 CAS Number Library Search Compound Match Library Entry Quality Formula Weight Unknown Cyclopentene,1-hexyl-4291-99-0 nist129k,1 14384 C11H20 152 Cyclohexanone, 2-methyl-5-(1-methylethen 7764-50-3 nist129k.1 115285 46 C10H160 152



Data File: \\30wintarget\chem\30msv1.i\1050610.b\1.b\10506020.d

Date: 06-MAY-2010 19:07

Client ID: 2H/4H-8

Instrument: 30msv1.i

Sample Info: 3027140021,,4.64

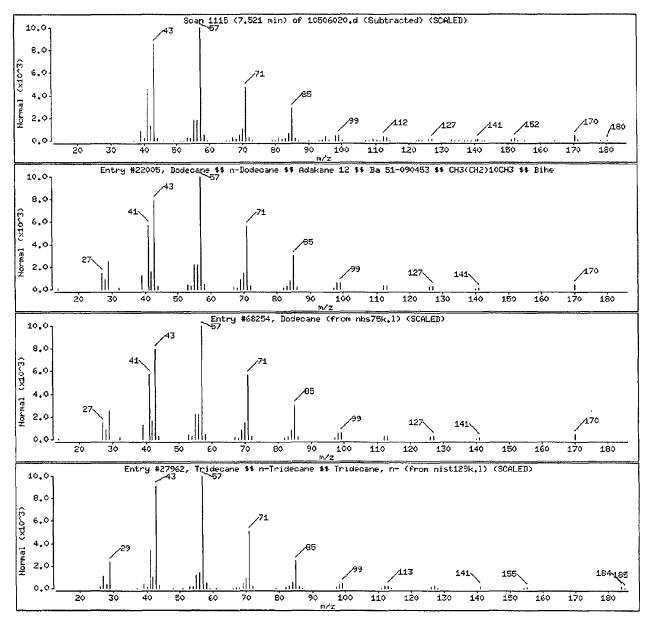
Purge Volume: 4.6

Operator: JEW

Column phase: RTX-VMS

Column diameter: 0.18

Library Search Compound Match	CAS Humber	Library	Entry	Quality	Formula	Weight
Dodecane \$\$ n-Dodecane \$\$ Adakane 12 \$\$	112-40-3	nist129k,1	22005	97	C12H26	170
Dodecane	113-40-3	nbs75k.l	68254	97	C12H26	170
Tridecane \$\$ n-Tridecane \$\$ Tridecane, n	629-50-5	nist129k.l	27962	86	C13H28	184



Data File: \\30wintarget\chem\30msv1.i\1050610.b\1.b\10506020.d

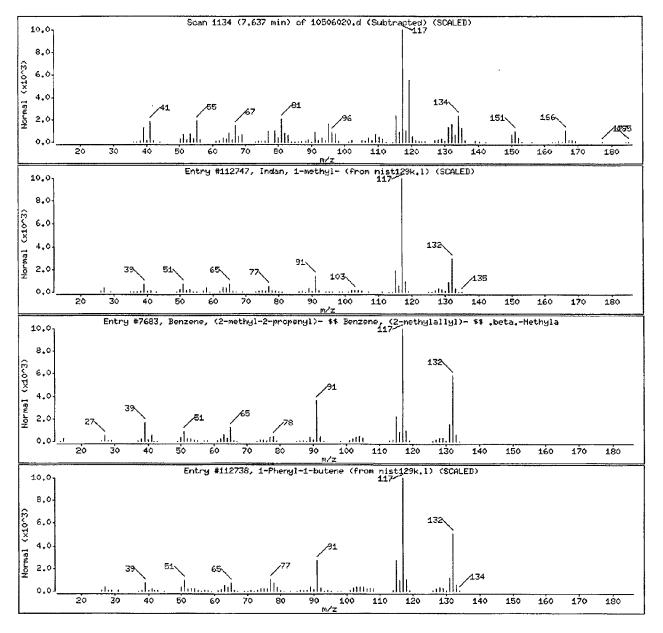
Client ID: 2H/4H-8 Instrument: 30msv1.i

Sample Info: 3027140021,,4.64

Purge Volume: 4.6 Operator: JEW

Column phase: RTX-VMS Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Indan, 1-methyl-	767-58 -8	nist129k.l	112747	55	C10H12	132
Benzene, (2-methyl-2-propenyl)- \$\$ Benze	3290-53-7	nist129k.l	7683	49	C10H12	132
1-Phenyl-1-butene	824-90-8	nist129k.l	112738	46	C10H12	132



Data File: \\30wintarget\chem\30msv1.i\1050610.b\1.b\10506020.d

Date : 06-MAY-2010 19:07

Client ID: 2H/4H-8

Instrument: 30msv1.i

Sample Info: 3027140021,,4.64

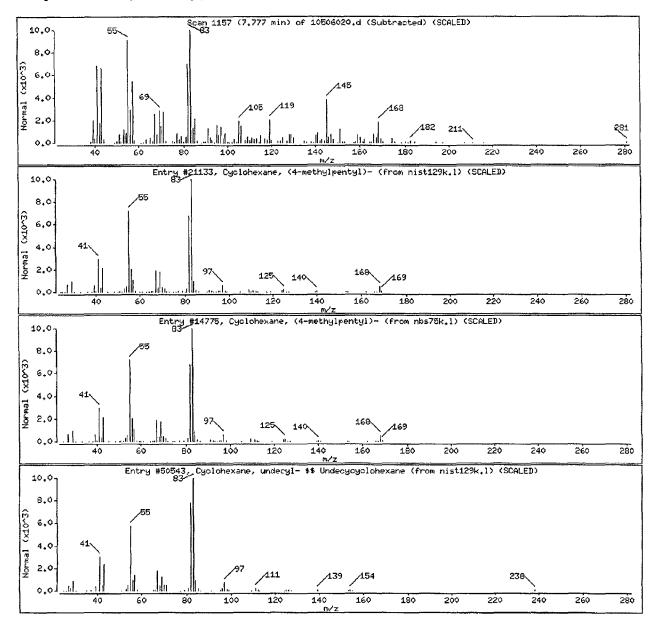
Purge Volume: 4.6

Operator: JEW

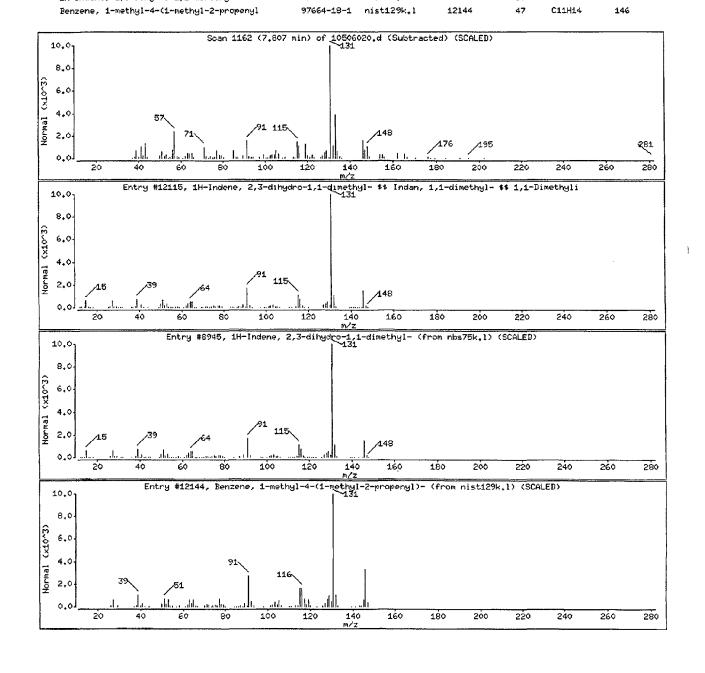
Column phase: RTX-VMS

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Cyolohexane, (4-methylpentyl)-	61142-20-9	nist129k.l	21133	55	C12H24	168
Cyclohexame, (4-methylpentyl)-	61142-20-9	nbs75k.1	14775	55	C12H24	168
Cyclohexane, undecyl- \$\$ Undecycyclohexa	84105-66-7	nist129k.l	50543	43	C17H34	238



Data File: \\30wintarget\chem\30msv1.i\1050610.b\1.b\10506020.d Date : 06-MAY-2010 19:07 Client ID: 2H/4H-8 Instrument: 30msv1.i Sample Info: 3027140021,,4.64 Purge Volume: 4.6 Operator: JEW Column phase: RTX-VMS Column diameter: 0.18 Library Search Compound Match CAS Number Library Entry Quality Formula Weight Unknown 1H-Indene, 2,3-dihydro-1,1-dimethyl- \$\$ 4912-92-9 nist129k.l 12115 C11H14 146 1H-Indene, 2,3-dihydro-1,1-dimethyl-4912-92-9 nbs75k.l 8945 C11H14 146



Data File: \\30wintarget\chem\30msv1.1\1050610,b\1.b\10506020.d

Date : 06-MAY-2010 19:07

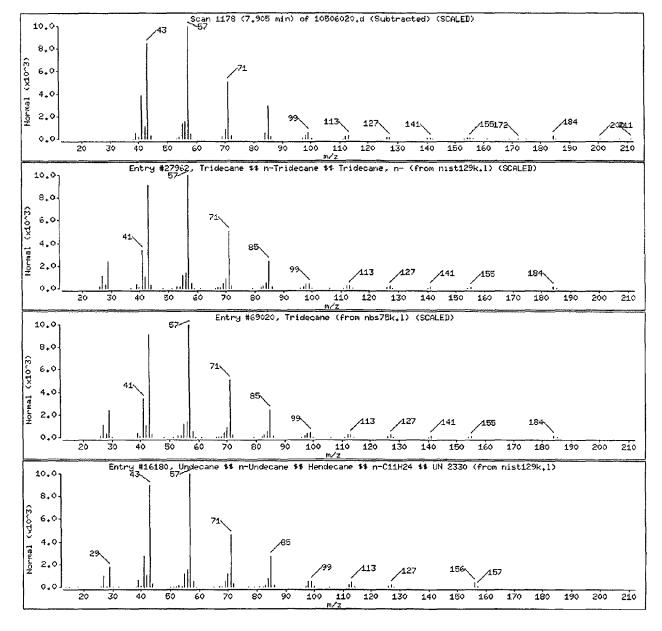
Client ID: 2H/4H-8 Instrument: 30msv1.i

Sample Info: 3027140021.,4.64

Furge Volume: 4.6 Operator: JEW

Column phase: RTX-VMS Column diameter: 0.18

Library Search Compound Match	CAS Humber	Library	Entry	Quality	Formula	Weight
Tridecane \$\$ n-Tridecane \$\$ Tridecane, n	629-50-5	nist129k,l	27962	94	C13H28	184
Tridecane	629-50-5	nbs75k.1	69020	94	C13H28	184
Undecane \$\$ n-Undecane \$\$ Hendecane \$\$ n	1120-21-4	nist129k.l	16180	91	C11H24	1 56



FORM 1 URS Corporation - PG05-MAY-2010 13:40 VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

			2H/4H-9
Lab Name	Contract:	l'	

Lab Code: Case No.: SAS No.: SDG No.: 3027140

Matrix: (soil/water) SOIL Lab Sample ID: 3027140023

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 50510009

Date Received: 05/05/10 Level: (low/med) LOW % Moisture: not dec. 75 Date Analyzed: 05/10/10

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1.0

Soil Aliquot Volume: ____(uL) Soil Extract Volume: ____(mL)

CONCENTRATION UNITS:

Number TICs found: 12 (ug/L or ug/Kg) ug/kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Ŏ
1. 1120-21-4 2. 3. 112-40-3 4. 5. 767-58-8 6. 7. 8. 629-50-5 9. 2809-64-5 10. 25419-33-4 11. 4175-54-6 12. 13. 14.	UNDECANE UNKNOWN DODECANE \$\$ N-DODECANE \$\$ AD UNKNOWN INDAN, 1-METHYL- UNKNOWN UNKNOWN TRIDECANE NAPHTHALENE, 1,2,3,4-TETRAHY NAPHTHALENE, 1,2,3,4-TETRAHY UNKNOWN UNKNOWN	7.51 7.57 7.69 7.75 7.84 8.03 8.09	93.0 99.2 57.7 121 102 102 83.4 86.3 96.1 74.1	した。 した。 した。 した。 した。 した。 した。 した。
15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27. 28. 29. 30.				

FORM I VOA-TIC

Data File: \\30wintarget\chem\30msv5.i\5100510.b\1.b\50510009.d

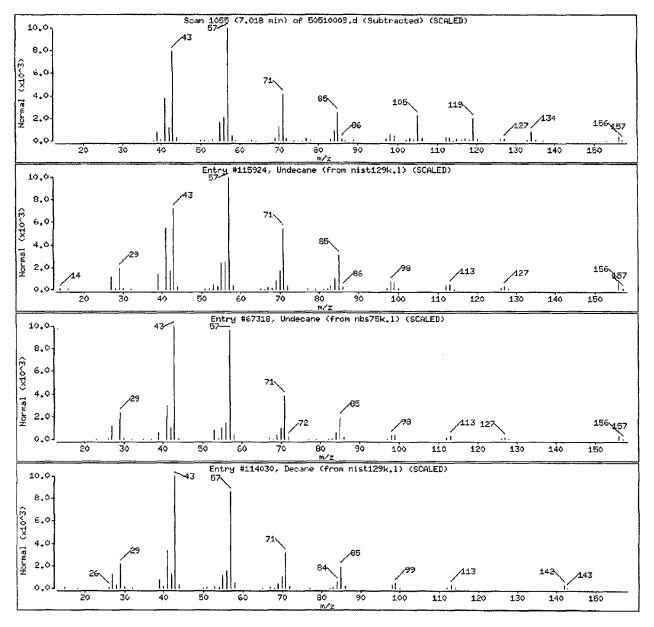
Client ID: Instrument: 30msv5.1

Sample Info: 3027140023,,2.97

Purge Volume: 5.0 Operator: JEW

Column phase: Rtx-VMS Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Undecane	1120-21-4	nist129k.l	115924	92	C11H24	156
Undecane	1120-21-4	nbs75k.1	67318	86	C11H24	156
Decane	124-18-5	nist129k.l	114030	50	C10H22	142



Pata File: \\30wintarget\chem\30msv5.i\5100510.b\1.b\50510009.d

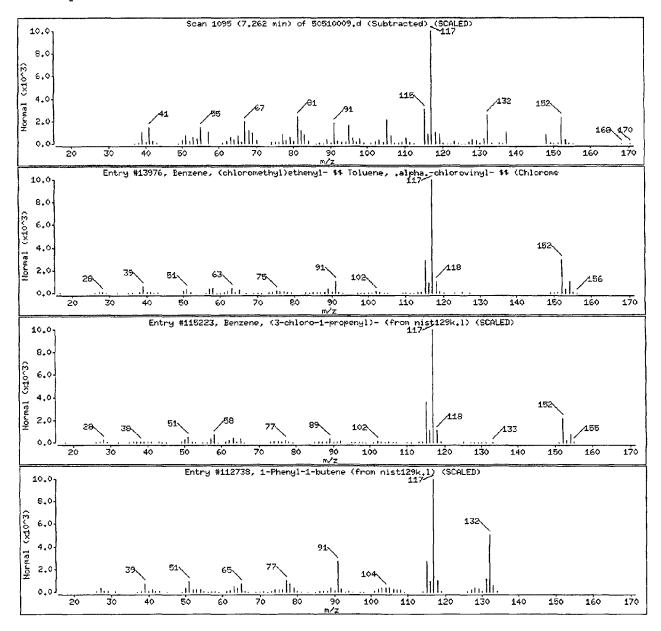
Client ID: Instrument: 30msv5.i

Sample Info: 3027140023,,2,97

Purge Volume: 5.0 Operator: JEW

Column phase: Rtx-VMS Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Benzene, (chloromethyl)ethenyl- \$\$ Tolue	30030-25-2	nist129k,1	13976	60	C9H9C1	152
Benzene, (3-chloro-1-propenyl)-	2687-12-9	nist129k,1	115223	60	C9H9C1	152
1-Phenyl-1-butene	824-90-8	nist129k.l	112738	60	C10H12	132



Data File: \\30wintarget\chem\30msv5.1\5100510.b\1.b\50510009.d

Client ID:

Instrument: 30msv5.i

Sample Info: 3027140023,,2.97

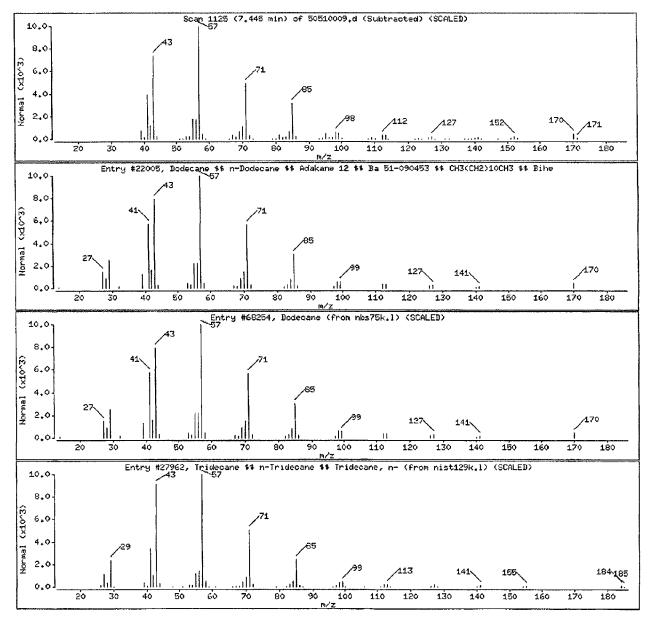
Purge Volume: 5.0

Operator: JEW

Column phase: Rtx-VMS

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Dodecane \$\$ n-Dodecane \$\$ Adakane 12 \$\$	112-40-3	nist129k.I	22005	96	C12H26	170
Dodecane	112-40-3	nbs75k.l	68254	96	C12H26	170
Tridecane \$\$ n-Tridecane \$\$ Tridecane, n	629-50-5	nist129k,1	27962	86	C13H28	184



Data File: \\30wintarget\chem\30msv5.i\5100510.b\1.b\50510009.d

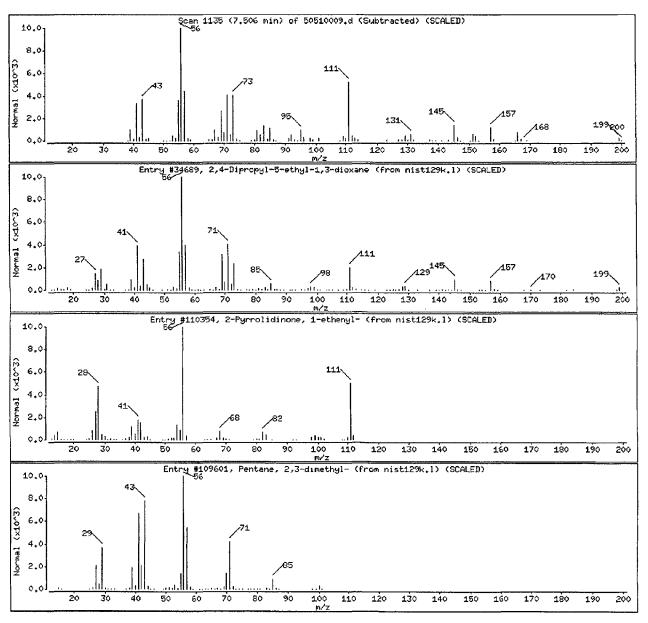
Client ID: Instrument: 30msv5.i

Sample Info: 3027140023,,2.97

Purge Volume: 5.0 Operator: JEW

Column phase: Rtx-VMS Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
2,4-Dıpropyl-5-ethyl-1,3-dioxane	0-00-0	nist129k.l	34699	64	C12H2402	200
2-Pyrrolidinone, 1-ethenyl-	88-12-0	nist129k.I	110354	43	C6H9N0	111
Pentane, 2,3-dimethyl-	565-5 9 -3	nist129k.l	109601	38	C7H16	100



Data File: \\30wintarget\chem\30msv5.i\5100510.b\1.b\50510009.d

Client ID:

Instrument: 30msv5.i

Sample Info: 3027140023,,2.97

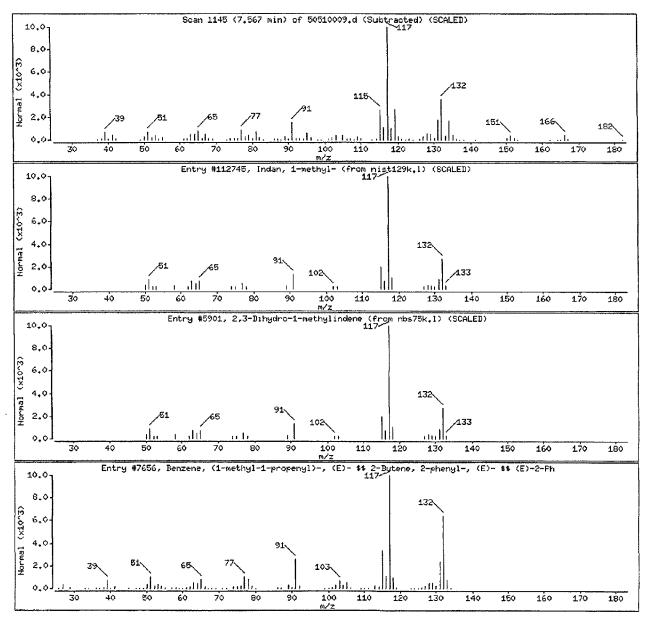
Purge Volume: 5.0

Operator: JEW

Column phase: Rtx-VMS

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Indan, 1-methyl-	767-58-8	nist129k.l	112745	94	C10H12	132
2,3-Bihydro-1-methylindene	27133-93-3	nbs75k_1	5901	94	C10H12	132
Benzene, (1-methyl-1-propenyl)-, (E)- \$\$	768-00-3	nis t129 k,l	7656	76	C10H12	132



Data File: \\30wintarget\chem\30msv5.i\5100510.b\1.b\50510009.d

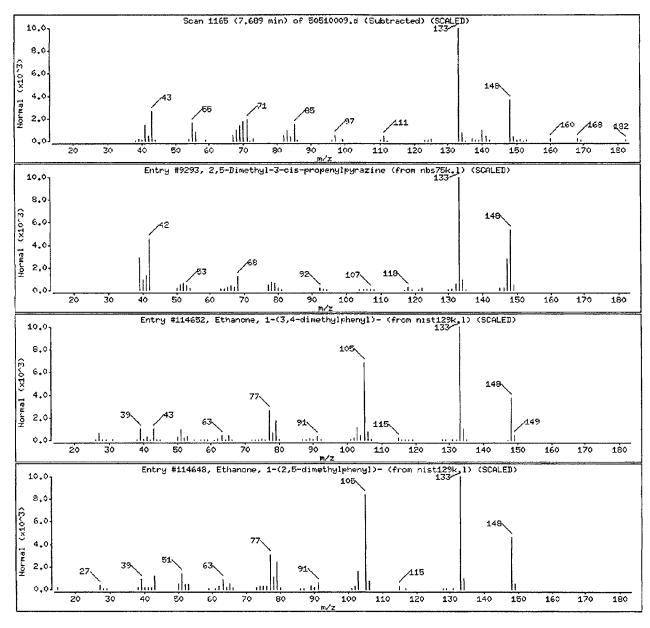
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Sample Info: 3027140023,,2,97

Purge Volume: 5.0 Operator: JEW

Column phase: Ftx-VHS Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
2,5-Bimethyl-3-cis-propenylpyrazine	\$-\$\$-\$	nbs75k₊l	9293	53	C9H12H2	148
Ethanone, 1-(3,4-dimethylphenyl)-	3637-01-2	nist129k.l	114652	42	C10H12O	148
Ethanone, 1-(2,5-dimethylphenyl)-	2142-73-6	nist129k.I	114648	42	C10H120	148



Data File: \\30wintarget\chem\30msv5,i\5100510,b\1,b\50510009,d

Client ID:

Instrument: 30msv5.i

Sample Info: 3027140023,,2.97

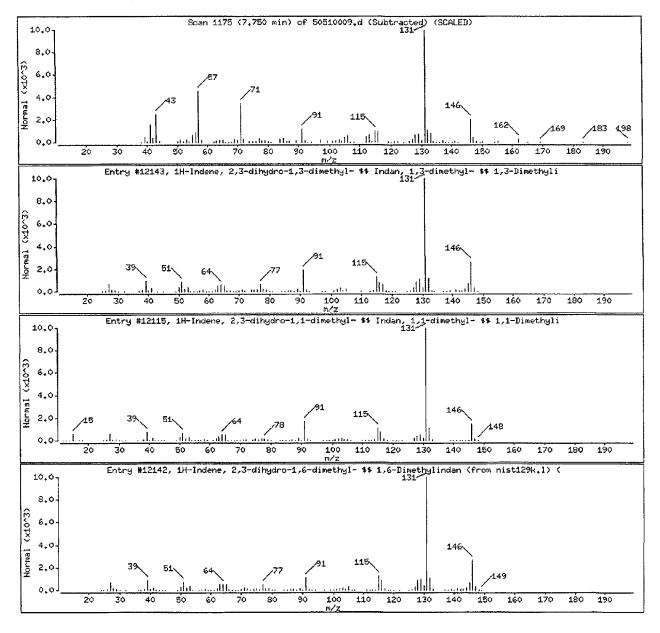
Purge Volume: 5.0

Operator: JEW

Column phase: Rtx-VMS

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
1H-Indene, 2,3-dihydro-1,3-dimethyl- \$\$	4175-53-5	nist129k.1	12143	87	C11H14	146
1H-Indene, 2,3-dihydro-1,1-dimethyl- \$\$	4912-92-9	nist129k,1	12115	87	C11H14	146
1H-Indene, 2,3-dihydro-1,6-dimethyl- \$\$	17059-48-2	nist129k.l	12142	87	C11H14	146



Data File: \\30wintarget\chem\30msv5.1\5100510.b\1.b\50510009.d

Client ID:

Instrument: 30msv5.1

Sample Info: 3027140023,,2.97

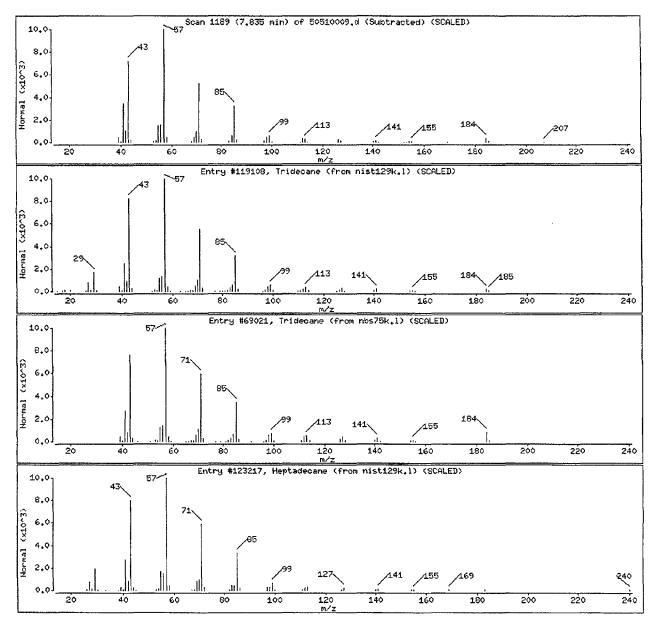
Purge Volume: 5,0

Operator: JEN

Column phase: Rtx-VMS

Column diameter: 0.18

Library Search Compound Match	CAS Humber	Library	Entry	Quality	Formula	Weight
Tridecane	629-50-5	nist129k,I	119108	94	C13H28	184
Tridecane	629-50-5	nbs75k.l	69021	94	C13H28	184
Heptadecane	629-78-7	nist129k.l	123217	90	C17H36	240



Data File: \\30wintarget\chem\30msv5.i\5100510.b\1.b\50510009.d

Date: 10-MAY-2010 12:30

Client ID:

Instrument: 30msv5.i

Sample Info: 3027140023,,2,97

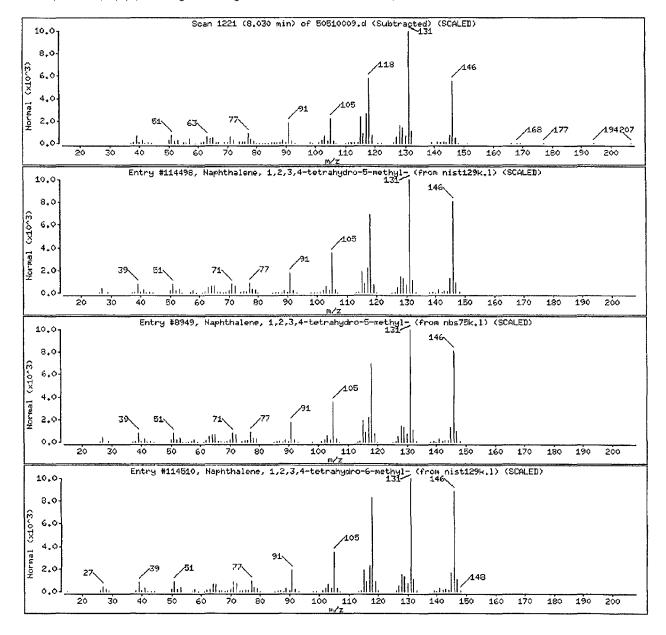
Purge Volume: 5.0

Operator: JEW

Column phase: Rtx-VMS

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Naphthalene, 1,2,3,4-tetrahydro-5-methyl	2809-64-5	nist129k,l	114498	95	C11H14	146
Naphthalene, 1,2,3,4-tetrahydro-5-methyl	2809-64-5	nbs75k ₊ 1	8949	95	C11H14	146
Naphthalene, 1,2,3,4-tetrahydro-6-methyl	1680-51-9	nist129k.1	114510	93	C11H14	146



Data File: \\30wintarget\chem\30msv5,i\5100510,b\1,b\\$0510009,d

Client ID:

Instrument: 30msv5.i

Sample Info: 3027140023,,2.97

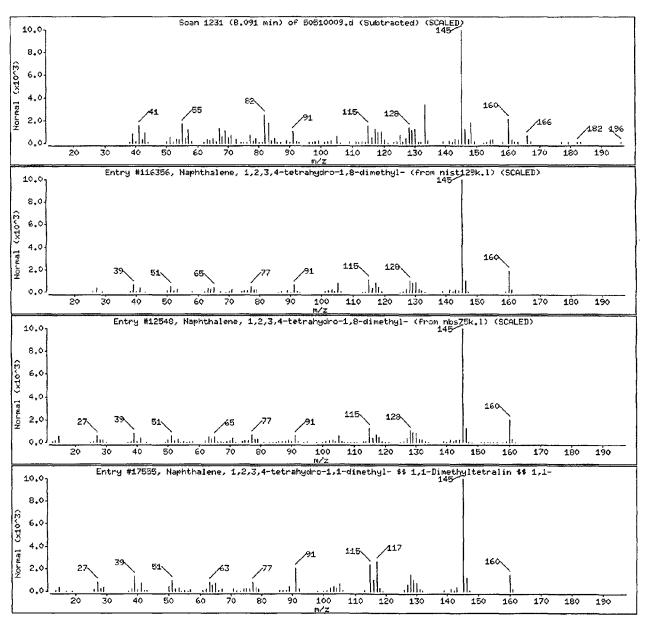
Purge Volume: 5.0

Operator: JEW

Column phase: Rtx-VMS

Column diameter: 0.18

Litrary Search Compound Hatch	CAS Number	Library	Entry	Quality	Formula	Weight
Naphthalene, 1,2,3,4-tetrahydro-1,8-dime	25419-33-4	nist129k.l	116356	96	C12H16	160
Naphthalene, 1,2,3,4-tetrahydro-1,8-dime	25419-33-4	nbs75k.1	12548	89	C12H16	160
Naphthalene, 1,2,3,4-tetrahydro-1,1-dime	1985-59-7	nist129k,1	17555	86	C12H16	160



Data File: \\30wintarget\chem\30msv5.1\5100510.b\1.b\50510009.d

Client ID:

Instrument: 30msv5.i

Sample Info: 3027140023,,2.97

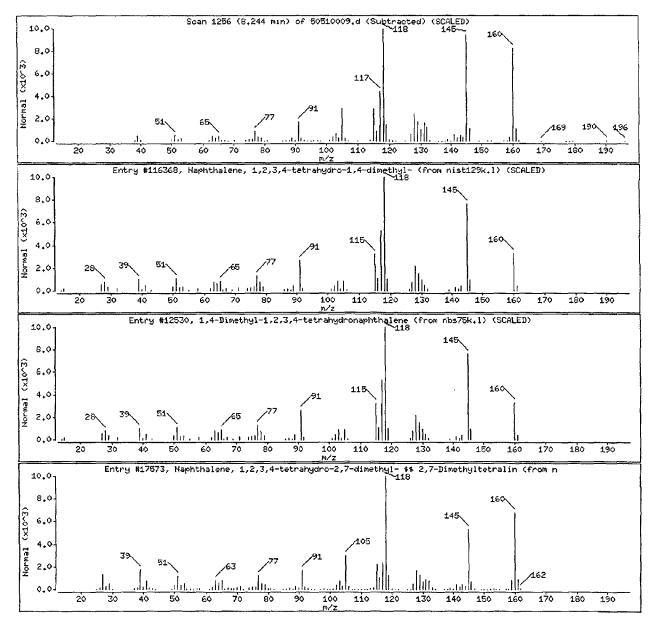
Purge Volume: 5.0

Operator: JEW

Column phase: Rtx-VMS

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Naphthalene, 1,2,3,4-tetrahydro-1,4-dime	4175-54-6	nist129k.l	116368	93	C12H16	160
1,4-Dimethyl-1,2,3,4-tetrahydronaphthale	0-00-0	nbs75k.l	12530	93	C12H16	160
Naphthalene, 1,2,3,4-tetrahydro-2,7-dime	13065-07-1	nist129k.l	17573	89	C12H16	160



Data File: \\30wintarget\chem\30msv5,i\5100510,b\1.b\50510009,d

Client ID:

Instrument: 30msv5.i

Sample Info: 3027140023,,2.97

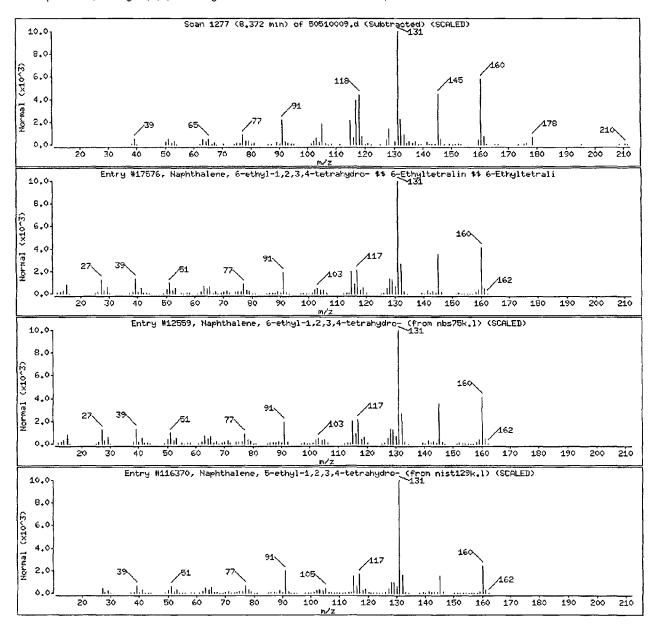
Purge Valume: 5.0

Operator: JEW

Column phase: Rtx-VMS

Column diameter: 0.18

Library Search Compound Hatch Unknown	CAS Number	Library	Entry	Quality	Formula	Weight
Naphthalene, 6-ethyl-1,2,3,4-tetrahydro-	22531-20-0	nist129k,l	17576	76	C12H16	160
Naphthalene, 6-ethyl-1,2,3,4-tetrahydro-	22531-20-0	nbs75k.l	12559	76	C12H16	160
Naphthalene, 5-ethyl-1,2,3,4-tetrahydro-	42775-75-7	nist129k.1	116370	58	C12H16	160



FORM 1 URS Corporation - PG05-MAY-2010 13:40 VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name:

Contract:

2H/4H-10

Lab Code:

Case No.:

SAS No.:

SDG No.: 3027140A

Matrix: (soil/water) SOIL

Lab Sample ID: 3027140011

Sample wt/vol:

5.3 (g/mL) G

Lab File ID: 10506015

Level: (low/med) LOW

Date Received: 05/05/10

% Moisture: not dec. 16

Date Analyzed: 05/06/10

GC Column: RTX-VMS ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Aliquot Volume: ____(uL)

Soil Extract Volume: ____(mL)

CONCENTRATION UNITS:

Number TICs found: 12

(ug/L or ug/Kg) ug/kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	~
1. 2. 3. 4. 5. 1120-21-4 6. 7. 112-40-3 8. 9. 767-58-8 10. 629-50-5 11. 2809-64-5 12. 629-59-4 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27. 28. 29. 30.	UNKNOWN UNKNOWN UNKNOWN UNKNOWN UNDECANE UNKNOWN DODECANE UNKNOWN INDAN, 1-METHYL- TRIDECANE NAPHTHALENE, 1,2,3,4-TETRAHY TETRADECANE	0.93 0.98 1.06 1.12 7.10 7.34 7.52 7.56 7.64 7.91	131 198	J J J NJ J NJ NJ NJ

FORM I VOA-TIC

Data File: \\30wintarget\chem\30msv1.i\1050610.b\1.b\10506015.d

Date : 06-MAY-2010 17:06

Client ID: 2H/4H-10 Instrument: 30msv1.1

Sample Info: 3027140011,,5.26

Purge Volume: 5.3

Operator: JEW

Column phase: RTX-VMS

Column diameter: 0.18

Library Search Compound Match

CAS Number Library

Entry Qu

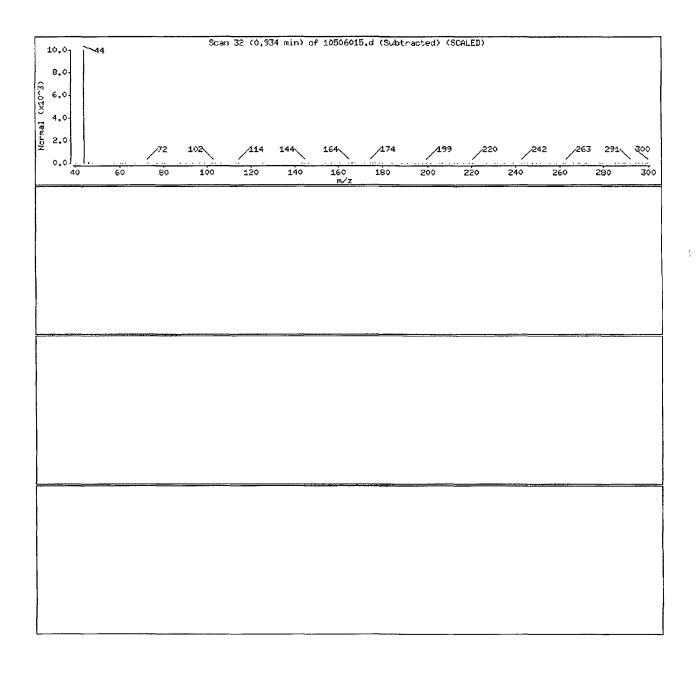
Quality Formula We

Weight

Unknown

٥

¢



Data File: \\30wintarget\chem\30wsv1.1\1050610.b\1.b\10506015.d

Client ID: 2H/4H-10

Instrument: 30msv1.i

Sample Info: 3027140011,,5.26

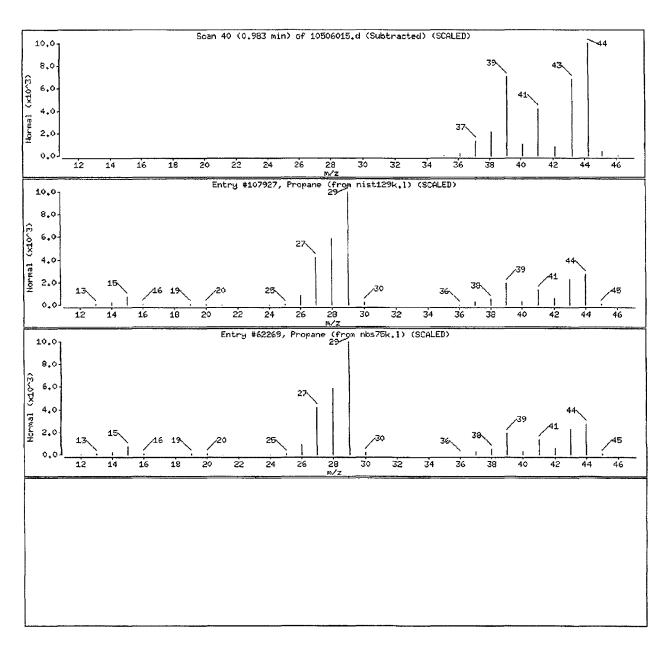
Purge Volume: 5.3

Operator: JEW

de gotaliet 212

Column phase: RTX-VMS Column diameter: 0,18

Library Search Compound Match	CAS Humber	Library	Entry	Quality	Formula	Weight
Unknown						
Propane	74-98-6	nist129k.i	107927	83	C3H8	44
Propane	74-98-6	nbs75k.1	62269	83	C3H8	44



Data File: \\30wintarget\chem\30msv1.i\1050610.b\1.b\10506015.d

Date : 06-MAY-2010 17:06

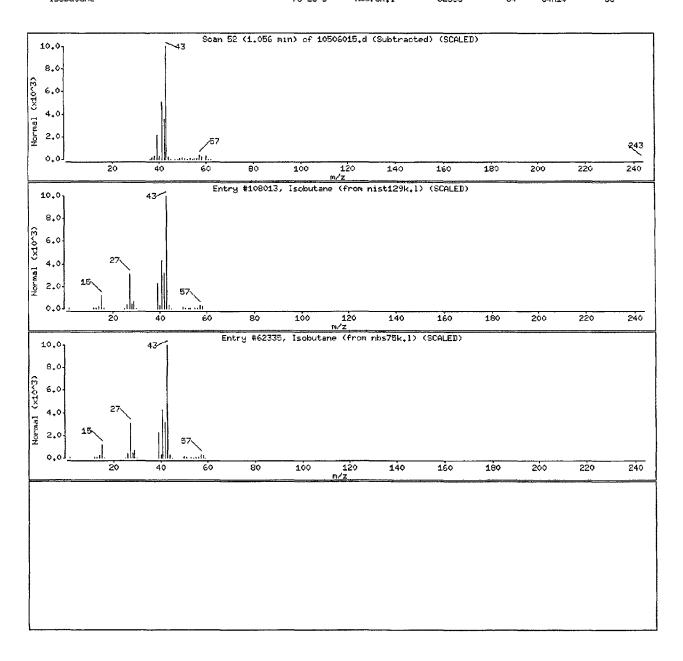
Client ID: 2H/4H-10 Instrument: 30msv1.i

Sample Info: 3027140011,,5.26

Purge Volume: 5.3 Operator: JEW

Column phase: RTX-VMS Column diameter: 0.18

Library Search Compound Match CAS Number Library Quality Formula Weight Entry Unknown Isobutane 75-28-5 nist129k.l 108013 64 C4H10 58 Isobutane 75-28-5 nbs75k,1 62335 64 C4H10 58



Data File: \\30wintarget\chem\30msv1.i\1050610.b\1.b\10506015.d

Date : 06-MAY-2010 17:06

Client ID: 2H/4H-10 Instrument: 30msv1.i

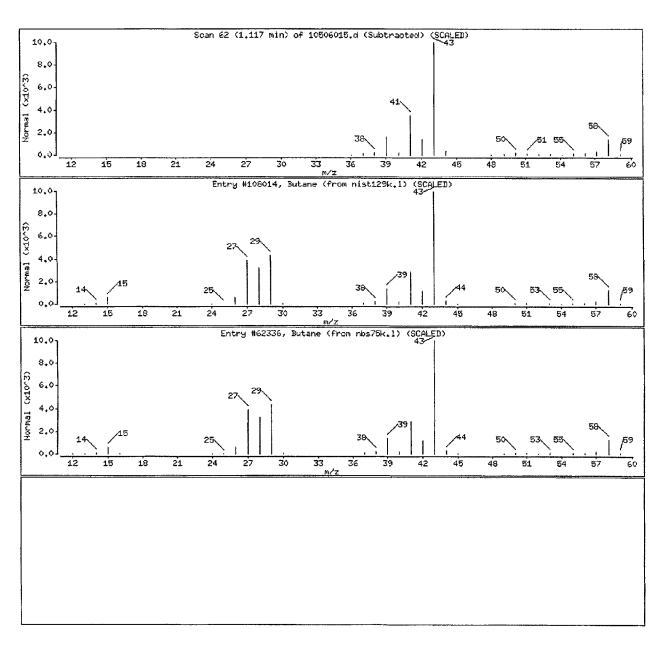
Sample Info: 3027140011,,5.26

Purge Volume: 5.3

Column phase: RTX-VHS Column diameter: 0,18

Library Search Compound Match Unknown	CAS Number	Library	Entry	Quality	Formula	Weight
Butane	106-97-8	nist129k,l	108014	80	C4H10	58
Butane	106-97-8	nbs75k.l	62336	80	C4H10	58

Operator: JEW



Pata File: \\30wintarget\chem\30msv1.i\1050610.b\1.b\10506015.d

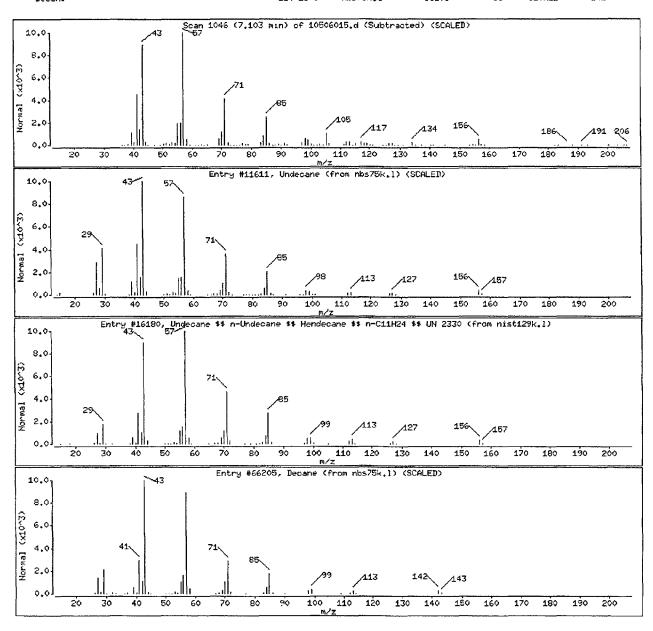
Client ID: 2H/4H-10 Instrument: 30msv1.i

Sample Info: 3027140011,,5.26

Punge Volume: 5.3 Operator: JEW

Column phase: RTX-VMS Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Undecane	1120-21-4	nbs75k.1	11611	95	C11H24	156
Undecane \$\$ n-Undecane \$\$ Hendecane \$\$ n	1120-21-4	nist 129 k.l	16180	94	C11H24	156
Tlacane	124-18-5	nbs76k.1	66205	86	C10H22	142



Data File: \\30wintarget\chem\30msv1.i\1050610.b\1.b\10506015.d

Client ID: 2H/4H-10

Instrument: 30msv1.i

Sample Info: 3027140011,,5.26

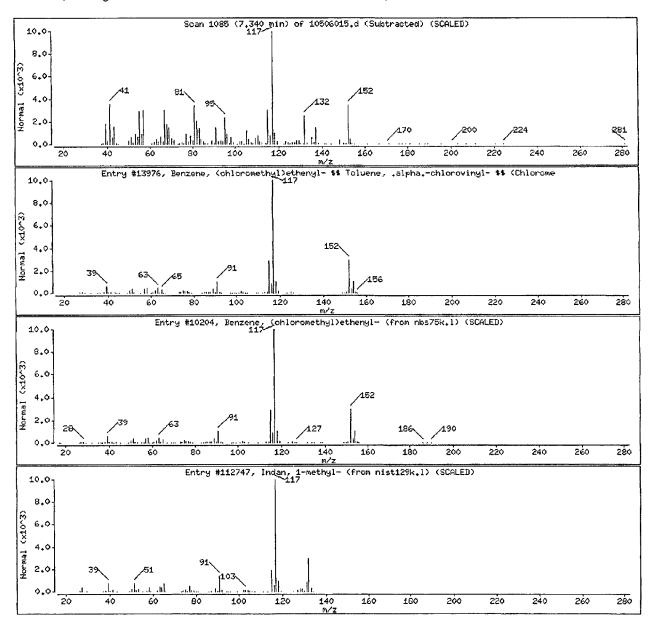
Purge Volume: 6.3

Operator: JEW

Column phase: RTX-VMS

Column diameter: 0.18

Library Search Compound Natch Unknown	CAS Number	Library	Entry	Quality	Formula	Weight
Benzene, (chloromethyl)ethenyl- \$\$ Tolue	30030-25-2	nist129k.l	13976	55	C9H9C1	152
Benzene, (chloromethyl)ethenyl-	30030-25-2	nbs75k.l	10204	55	C9H9C1	152
Indan, 1-methyl-	767-58-8	nist129k,l	112747	50	C10H12	132



Data File: \\30wintarget\chem\30msv1.i\1050610.b\1.b\10506015.d

Client ID: 2H/4H-10

Instrument: 30msv1.i

Sample Info: 3027140011,,5.26

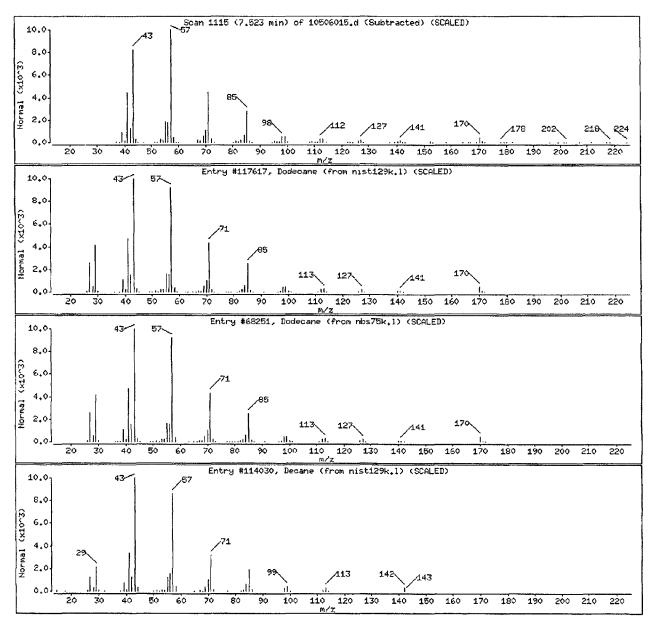
Purge Volume: 5.3

Operator: JEW

Column phase: RTX-VMS

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Dodecane	112-40-3	nist129k.l	117617	97	C12H26	170
Dodecane	112-40-3	nbs75k.1	68251	97	C12H26	170
Decane	124-18-5	nist129k,i	114030	90	C10H22	142



Data File: \\30wintarget\chem\30msv1.1\1050610.b\1.b\10506015.d

Client ID: 2H/4H-10 Instrument: 30msv1.1

Sample Info: 3027140011,,5.26

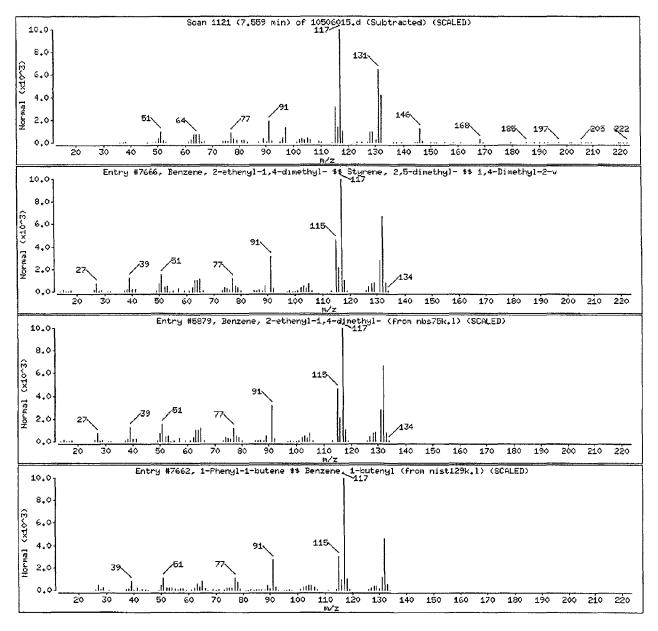
Purge Volume: 5.3

Operator: JEN

Column phase: RTX-VHS

Column diameter: 0.18

Library Search Compound Match Unknown	CAS Number	Library	Entry	Quality	Formula	Wæight
Benzene, 2-ethenyl-1,4-dimethyl- \$\$ Styr	2039-89-6	nist129k.l	7666	87	C10H12	132
Benzene, 2-ethenyl-1,4-dimethyl-	2039-89-6	nbs75k.1	5879	87	C10H12	132
1-Phenyl-1-butene \$\$ Benzene, 1-butenyl	824-90-8	nist129k.l	7662	70	C10H12	132



Data File: \\30wintarget\chem\30msv1.i\1050610.b\1.b\10506015.d

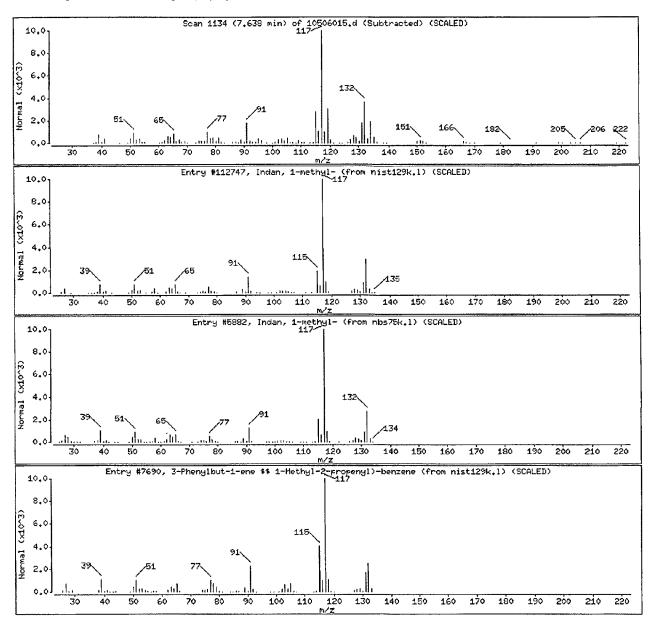
Client ID: 2H/4H-10 Instrument: 30msv1.i

Sample Info: 3027140011,,5.26

Furge Volume: 5.3 Operator: JEW

Column phase: RTX-VMS Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Indan, 1-methyl-	767-58-8	nist129k,1	112747	94	C10H12	132
Indan, 1-methyl-	767-58-8	nbs75k.1	5882	94	C10H12	132
3-Phenylbut-1-ene \$\$ 1-Methyl-2-propenyl	934-10-1	nist129k.l	7690	93	C10H12	132



Data File: \\30wintarget\chem\30msv1.i\1050610.b\1.b\10506015.d

Client ID: 2H/4H-10

Instrument: 30msv1.i

Sample Info: 3027140011,,5.26

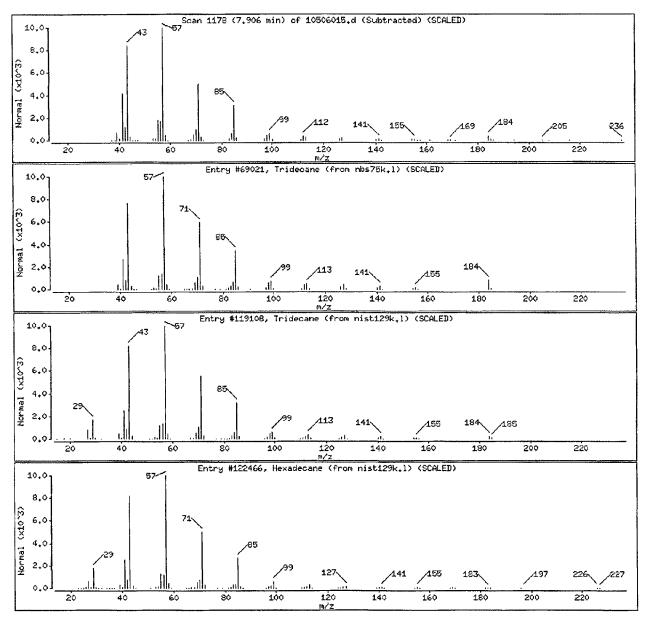
Purge Volume: 5,3

Operator: JEW

Column phase: RTX-VMS

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Tridecane	629-50-5	nbs75k.1	69021	95	C13H28	184
Tridecane	629-50-5	nıst129k.l	119108	94	C13H28	184
Hexadecane	544-76-3	nist129k,l	122466	86	C16H34	226



Data File: \\30wintarget\chem\30msv1.i\1050610.b\1.b\10506015.d

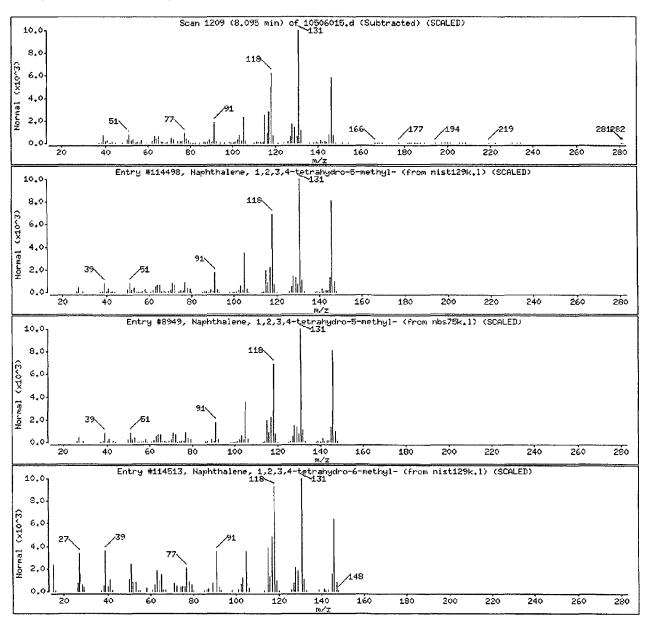
Client II: 2H/4H-10 Instrument: 30msv1.i

Sample Info: 3027140011,,5.26

Punge Volume: 5.3 Operator: JEM

Column phase: RTX-VMS Column diameter: 0,18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Naphthalene, 1,2,3,4-tetrahydro-5-methyl	2809-64-5	nist129k.l	114498	95	C11H14	146
Naphthalene, 1,2,3,4-tetrahydro-5-methyl	2809-64-5	nbs75k.1	8949	95	C11H14	146
Naphthalene, 1,2,3,4-tetrahydro-6-methyl	1680-51-9	nist129k.1	114513	94	C11H14	146



Data File: \\30wintarget\chem\30msv1.i\1050610.b\1.b\10506015.d

Date : 06-MAY-2010 17:06

Client ID: 2H/4H-10

Instrument: 30msv1.i

Sample Info: 3027140011,,5.26

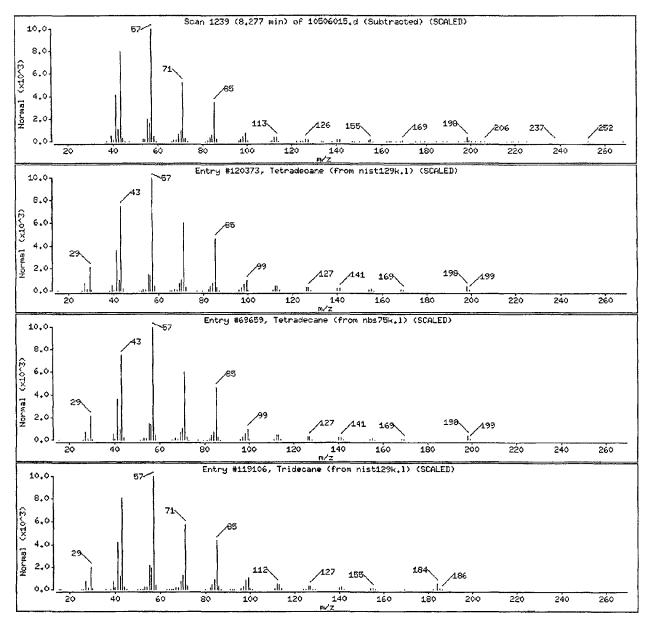
Purge Volume: 5.3

Operator: JEW

Column phase: RTX-VMS

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Tetradecane	629-59-4	nist129k.l	120373	97	C14H30	198
Tetradecane	629-59-4	nbs75k.l	69659	97	C14H30	198
Tridecane	629-50-5	nist129k.l	119106	90	C13H28	184



URS Corporation - PG05-MAY-2010 13:40 FORM 1

VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name:

Contract:

2H/4H-11

Lab Code:

Case No.:

SAS No.:

SDG No.: 3027140A

Matrix: (soil/water) SOIL

Lab Sample ID: 3027140009

Sample wt/vol:

5.7 (g/mL) G

Lab File ID: 10506014

Level: (low/med)

LOW

Date Received: 05/05/10

% Moisture: not dec. 19

Date Analyzed: 05/06/10

ID: 0.18 (mm)

GC Column: RTX-VMS

Dilution Factor: 1.0

Soil Extract Volume: (mL)

Soil Aliquot Volume: ____(uL)

CONCENTRATION UNITS:

Number TICs found: 12

(ug/L or ug/Kg) ug/kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 1120-21-4 2. 3. 4. 112-40-3 5. 2039-89-6 6. 2039-89-6 7. 8. 4912-92-9 9. 629-50-5 10. 2809-64-5 11. 12. 629-59-4 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27. 28. 29. 30.	UNDECANE UNKNOWN UNKNOWN DODECANE BENZENE, 2-ETHENYL-1,4-DIMET BENZENE, 2-ETHENYL-1,4-DIMET UNKNOWN 1H-INDENE, 2,3-DIHYDRO-1,1-D TRIDECANE NAPHTHALENE, 1,2,3,4-TETRAHY UNKNOWN TETRADECANE	7.11 7.22 7.34 7.52 7.56 7.64 7.78 7.81 7.91	120 21.4 43.7	NJ J NJ NJ NJ J NJ NJ J

FORM I VOA-TIC

Bata File: \\30wintarget\chem\30msv1.i\1050610.b\1.b\10506014.d

Client IB: 2H/4H-11

Instrument: 30msv1.i

Sample Info: 3027140009,,5.65

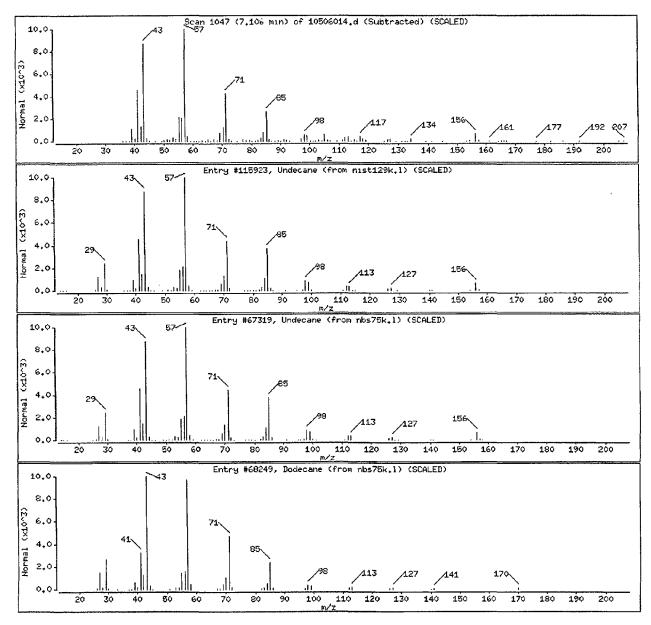
Purge Volume: 5.7

Operator: JEW

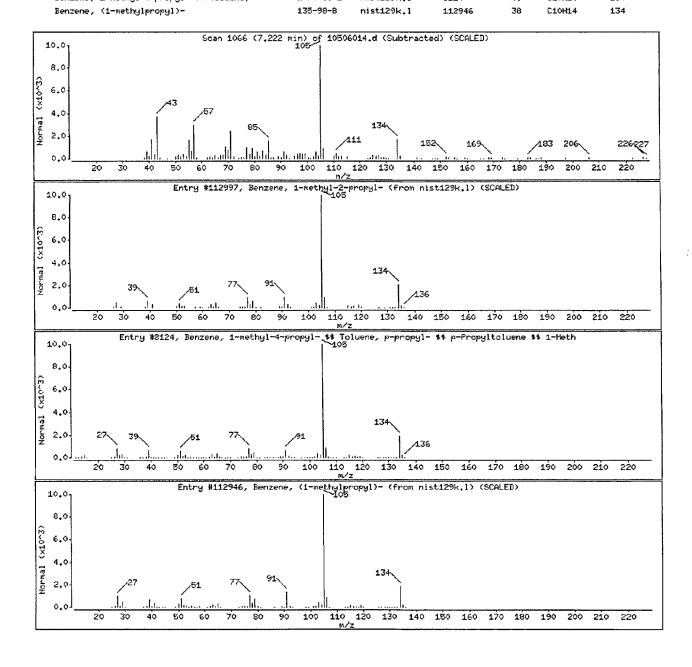
Column phase: RTX-VMS

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Undecane	1120-21-4	nist 1 29k,1	115923	96	C11H24	156
Undecane	1120-21-4	nbs75k.1	67319	96	C11H24	156
Dodecane	112-40-3	nbs75k.1	68249	80	C12H26	170



Data File: \\30wintarget\chem\30msv1.i\1050610.b\1.b\10506014.d Date : 06-MAY-2010 16:42 Client ID: 2H/4H-11 Instrument: 30msv1.i Sample Info: 3027140009,,5.65 Operator: JEN Purge Volume: 5.7 Column phase: RTX-VMS Column diameter: 0.18 Library Search Compound Match CAS Number Library Entry Quality Formula Weight Unknown Benzene, 1-methyl-2-propyl-1074-17-5 nist129k,1 112997 C10H14 134 Benzene, 1-methyl-4-propyl- \$\$ Toluene, 1074-55-1 nist129k,l 8124 46 C10H14 134



Data File: \\30wintarget\chem\30wsv1.i\1050610.b\1.b\10506014.d

Date : 06-MAY-2010 16:42

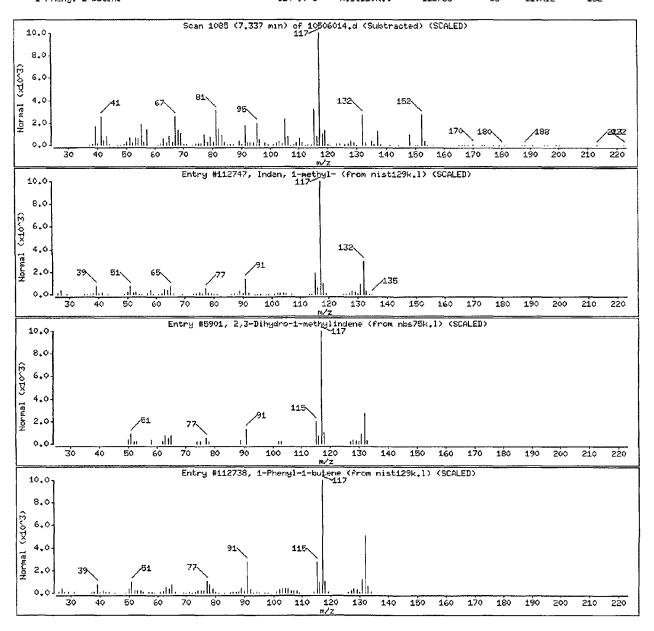
Client ID: 2H/4H-11 Instrument: 30msv1.i

Sample Info: 3027140009,,5.65

Purge Volume: 5.7 Operator: JEW

Column phase: RTX-VMS Column diameter: 0.18

Library Search Compound Hatch Unknown	CAS Number	Library	Entry	Quality	Formula	Weight
Indan, 1-methyl-	767-58-8	nist129k.l	112747	60	C10H12	132
2,3-Dihydro-1-methylindene	27133-93-3	nbs75k.l	5901	60	C10H12	132
1-Phenul-1-butene	824-90-8	nist129k.l	112738	38	C10H12	132



Data File: \\30wintarget\chem\30msv1.i\1050610.b\1.b\10506014.d

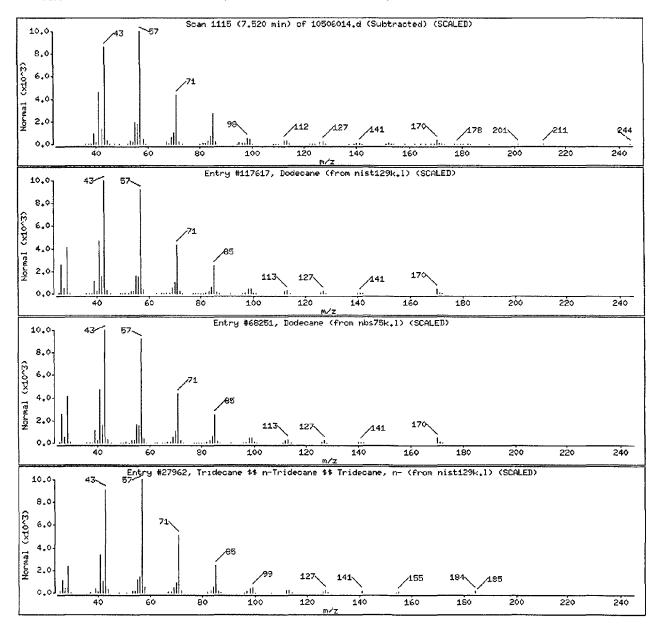
Client ID: 2H/4H-11 Instrument: 30msv1.i

Sample Info: 3027140009,,5.65

Punge Volume: 5.7 Operator: JEW

Column phase: RTX-VMS Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Dodecane	112-40-3	nist129k.1	117617	97	C12H26	170
Dodecane	112-40-3	nbs75k.1	68251	97	C12H26	170
Tridecame \$\$ n-Tridecame \$\$ Tridecame, n	629-50-5	nist129k.l	27962	95	C13H28	184



Data File: \\30wintarget\chem\30msv1.i\1060610.b\1.b\10506014.d

Client ID: 2H/4H-11 Instrument: 30msv1.i

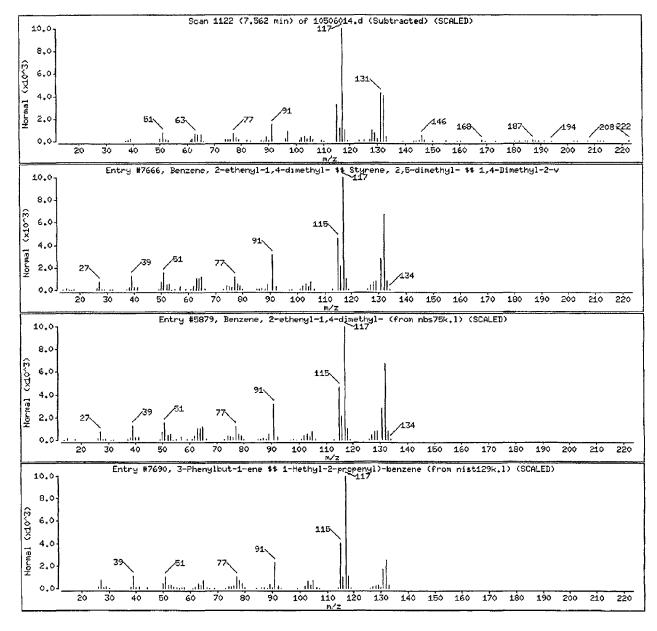
Sample Info: 3027140009,,5.65

Purge Volume: 5.7

Operator: JEW

Column phase: RTX-VMS Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benzene, 2-ethenyl-1,4-dimethyl- \$\$ Styr	2039-89-6	nist129k.l	7666	92	C10H12	132
Benzene, 2-ethenyl-1,4-dimethyl-	2039-89-6	nbs75k.l	5879	92	C10H12	132
3-Phenylbut-1-ene \$\$ 1-Methyl-2-propenyl	934-10-1	nist129k,1	7690	87	C10H12	132



Data File: \\30wintarget\chem\30msv1.i\1050610.b\1.b\10506014.d

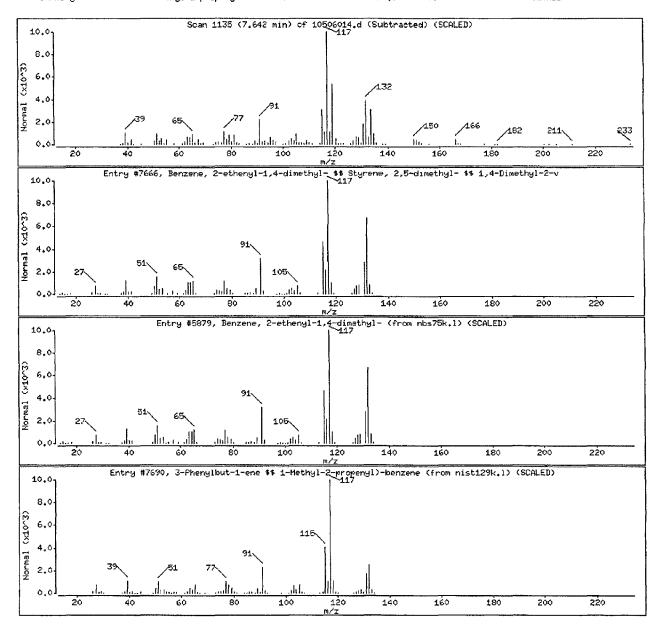
Client ID: 2H/4H-11 Instrument: 30msv1.i

Sample Info: 3027140009,,5.65

Purge Volume: 5.7 Operator: JEW

Column phase: RTX-VMS Column diameter: 0,18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benzene, 2-ethenyl-1,4-dimethyl- \$\$ Styr	2039-89-6	nist129k.1	7666	95	C10H12	132
Benzene, 2-ethenyl-1,4-dimethyl-	2039-89-6	nbs75k₊l	5879	95	C10H12	132
3-Phenulbut-1-ene \$\$ 1-Methul-2-propenul	934-10-1	nist129k.1	7690	93	C10H12	132



Data File: \\30wintarget\chem\30msv1.i\1050610,b\1,b\10506014.d

Client ID: 2H/4H-11

Instrument: 30msv1.i

Sample Info: 3027140009,,5.65

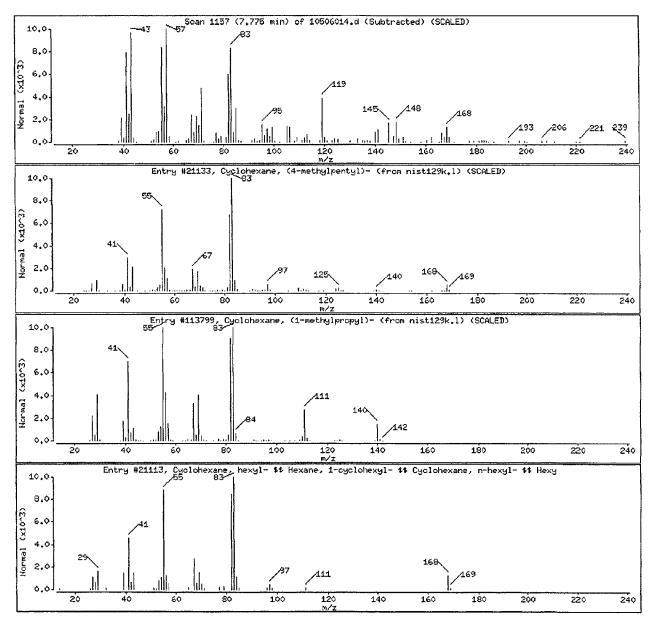
Purge Volume: 5.7

Operator: JEW

Column phase: RTX-VMS

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Cyclohexane, (4-methylpentyl)-	61142-20-9	nist129k.l	21133	46	C12H24	168
Cyclohexane, (i-methylpropyl)-	7058-01-7	nist129k.1	113799	46	C10H20	140
Cyclohexane, hexyl- \$\$ Hexane, 1-cyclohe	4292-75-5	nist129k.1	21113	41	C12H24	168



Data File: \\30wintarget\chem\30msv1.i\1050610.b\1.b\10506014.d

Client ID: 2H/4H-11 Instrument: 30msv1.i

Sample Info: 3027140009,,5,65

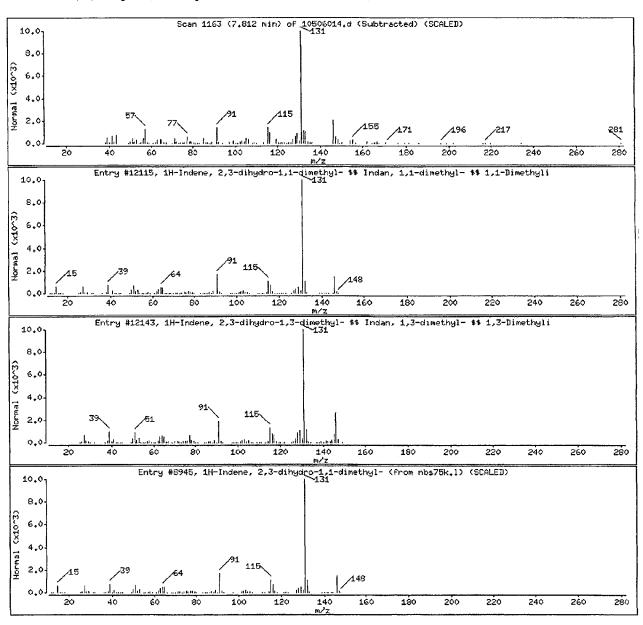
Furge Volume: 5,7

Operator: JEW

Column phase: RTX-VMS

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
1H-Indene, 2,3-dihydro-1,1-dimethyl- \$\$	4912-92-9	nist129k.l	12115	90	C11H14	146
1H-Indene, 2,3-dihydro-1,3-dimethyl- \$\$	4175-53-5	nist129k,I	12143	96	C11H14	146
1H-Indene, 2,3-dihydro-1,1-dimethyl-	4912-92-9	nbs75k.1	8945	90	C11H14	146



Data File: \\30wintarget\chem\30msv1.i\1050610.b\1.b\10506014.d

Client ID: 2H/4H-11

Instrument: 30msv1.i

Sample Info: 3027140009,,5.65

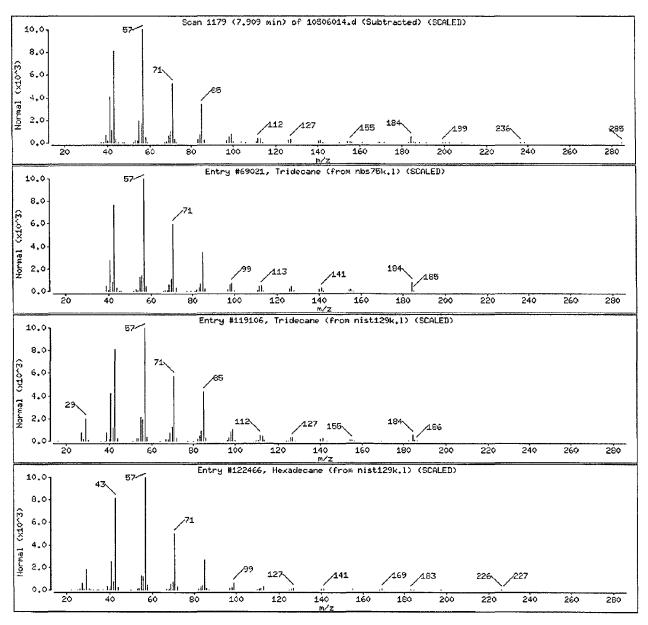
Purge Volume: 5.7

Operator: JEW

Column phase: RTX-VMS

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Tridecane	629-50-5	nbs75k.1	69021	97	C13H28	184
Tridecane	629-50-5	nist129k.1	119106	96	C13H28	184
Hexadecane	544-76-3	nist129k.1	122466	87	C16H34	226



Data File: \\30wintarget\chen\30msv1.i\1050610.b\1.b\10506014.d

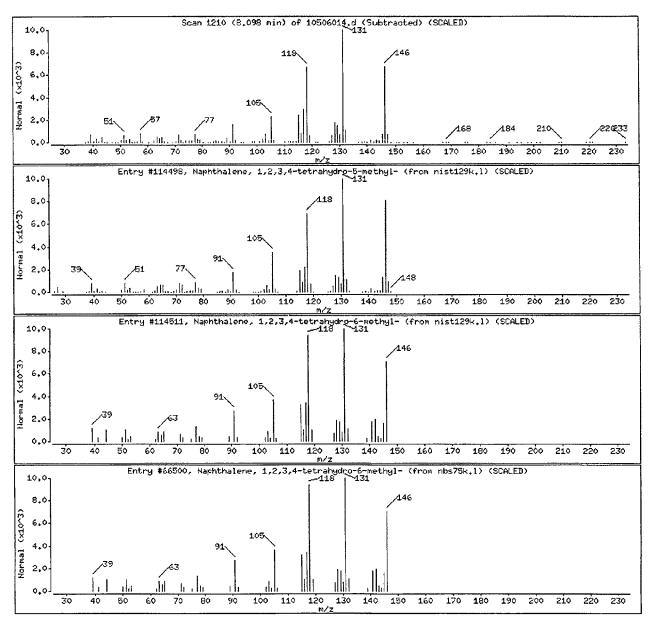
Client ID: 2H/4H-11 Instrument: 30msv1.i

Sample Info: 3027140009,,5.65

Purge Volume: 5.7 Operator: JEN

Column phase: RTX-VMS Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Naphthalene, 1,2,3,4-tetrahydro-5-methyl	2809-64-5	nist129k,l	114498	94	C11H14	146
Naphthalene, 1,2,3,4-tetrahydro-6-methyl	1680-51-9	nist129k.l	114511	94	C11H14	146
Maphthalene, 1,2.3,4-tetrahydro-6-methyl	1680-51-9	nbs75k.1	66500	94	C11H14	146



Data File: \\30wintarget\chem\30msv1.i\1050610,b\1.b\10506014.d

Client ID: 2H/4H-11

Instrument: 30msv1.i

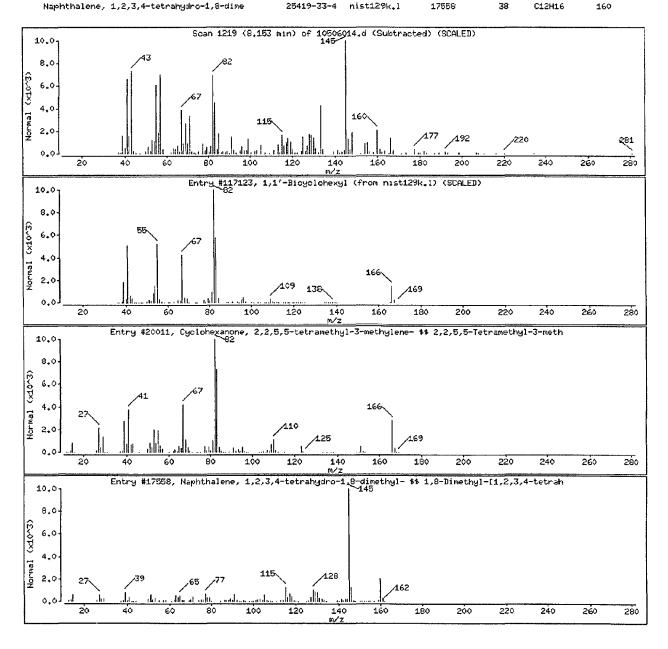
Sample Info: 3027140009,,5,65

Purge Volume: 5.7

Operator: JEW

Column phase: RTX-VMS Column diameter: 0,18

Library Search Compound Match CAS Humber Library Entry Quality Formula Unknown 1,1'-Bicyclohexyl 92-51-3 nist129k.1 117123 42 C12H22 Cyclohexanone, 2,2,5,5-tetramethyl-3-met 35505-97-6 nist129k,1 20011 38 C11H180



CABOT-EPA 006609

Weight

166

166

Data File: \\30wintarget\chem\30msv1.i\1050610.b\1.b\10506014.d

Client ID: 2H/4H-11

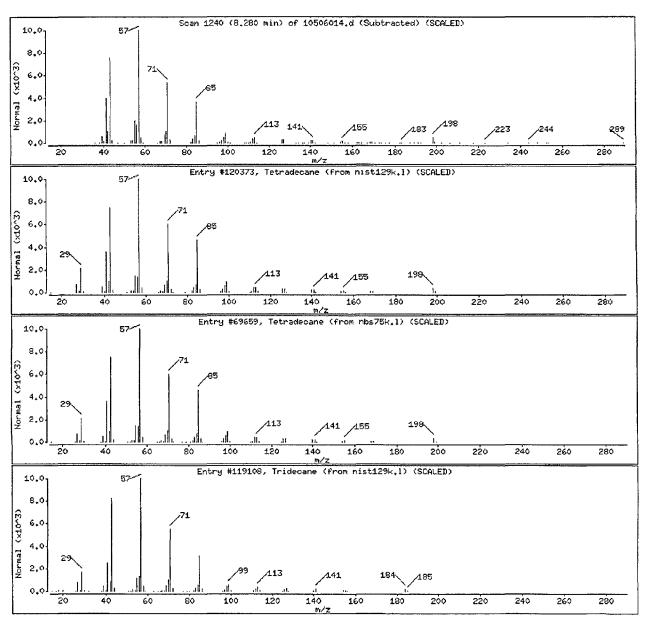
Instrument: 30msv1.i

Sample Info: 3027140009,,5.65

Purge Volume: 5.7 Column phase: RTX-VMS Operator: JEW

Column diameter: 0,18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Tetradecane	629-59-4	nist129k.l	120373	98	C14H30	198
Tetradecane	629-59-4	nbs75k.1	69659	98	C14H30	198
Tridecane	629-50-5	nist129k,l	119108	91	C13H28	184



URS Corporation - PG05-MAY-2010 13:40 FORM 1 VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name:

Contract:

2H/4H-12

Lab Code:

Case No.:

SAS No.:

SDG No.: 3027140A

Matrix: (soil/water) SOIL

Lab Sample ID: 3027140007

Sample wt/vol:

6.2 (g/mL) G

Lab File ID: 10506013

LOW

Date Received: 05/05/10

% Moisture: not dec. 15

Date Analyzed: 05/06/10

GC Column: RTX-VMS ID: 0.18 (mm)

Level: (low/med)

Dilution Factor: 1.0

Soil Extract Volume: ____(mL)

Soil Aliquot Volume: ____(uL)

CONCENTRATION UNITS:

Number TICs found: 12

(ug/L or ug/Kg) ug/kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	. ~ 1
1. 2. 3. 1120-21-4 4. 544-76-3 5. 6. 112-40-3 7. 767-58-8 8. 9. 629-50-5 10. 2809-64-5 11. 12. 629-59-4 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27. 28. 29. 30.	UNKNOWN COLUMN BLEED UNDECANE HEXADECANE \$\$ N-CETANE \$\$ N- UNKNOWN DODECANE INDAN, 1-METHYL- UNKNOWN TRIDECANE NAPHTHALENE, 1,2,3,4-TETRAHY UNKNOWN TETRADECANE	0.92 6.54 7.10 7.22 7.34 7.52 7.64 7.78 7.91	48.5 16.7 18.6 18.1 7.62	J J NJ J NJ J NJ J NJ J

FORM I VOA-TIC

Data File: \\30wintarget\chem\30msv1.i\1050610.b\1.b\10506013.d

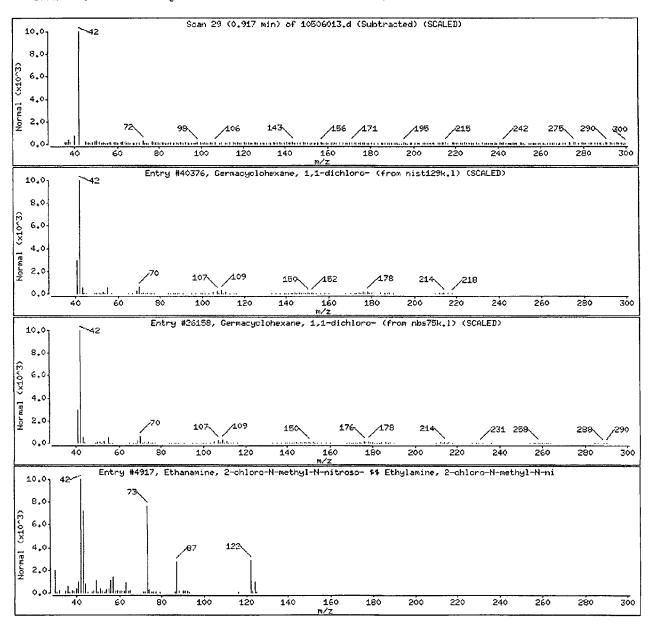
Client ID: 2H/4H-12 Instrument: 30msv1.i

Sample Info: 3027140007,,6.21

Purge Volume: 6.2 Operator: JEN

Column phase: RTX-VMS Column diameter: 0,18

Library Search Compound Match	CAS Mumber	Library	Entry	Quality	Formula	Weight
Unknown						
Germacyclohexane, 1,1-dichloro-	56438-28-9	nist129k,1	40376	64	C5H10C12Ge	214
Germacyclohexame, 1,1-dichloro-	56438-28-9	nbs75k.l	26158	64	C5H10C12Ge	214
Ethanamine, 2-chloro-N-methyl-N-nitroso-	16339-16-5	nist129k.l	4917	39	C3H7C1N2D	122



Data File: \\30wintarget\chem\30msv1.i\1050610.b\1.b\10506013.d

Date: 06-MAY-2010 16:18

Client ID: 2H/4H-12

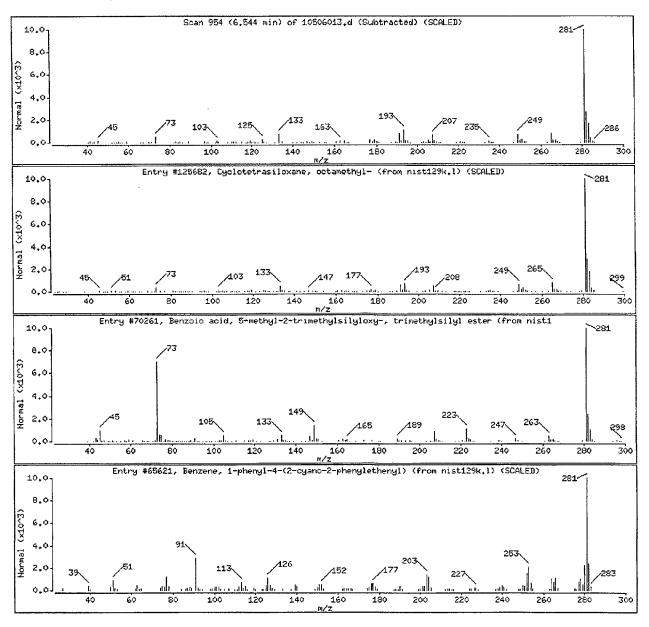
Instrument: 30msv1.i

Sample Info: 3027140007,,6,21

Purge Volume: 6.2 Column phase: RTX-VMS Operator: JEW

Column diameter: 0.18

Library Search Compound Match	CAS Humber	Library	Entry	Quality	Formula	Weight
column bleed						
Cyclotetrasiloxane, octamethyl-	556-67-2	nist129k,l	125682	91	C8H24O4Si4	296
Benzoic acid, 5-methyl-2-trimethylsilylo	0-00-0	nist129k,l	70261	59	C14H24O3Si2	296
Benzene, 1-phenyl-4-(2-cyano-2-phenyleth	27869-56-3	nist129k,l	65621	59	C21H15N	281



Data File: \\30wintarget\chem\30msv1.i\1050610.b\1.b\10506013.d

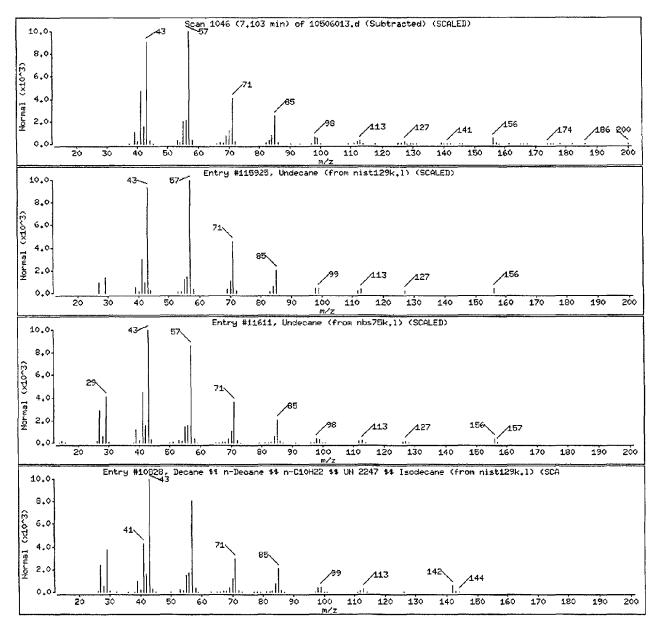
Client ID: 2H/4H-12 Instrument: 30msv1.i

Sample Info: 3027140007,,6.21

Purge Volume: 6.2 Operator: JEW

Column phase: RTX-VMS Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Undecane	1120-21-4	nist129k.l	115925	94	C11H24	156
Undecane	1120-21-4	nbs75k.1	11611	94	C11H24	156
Became \$\$ n-Decame \$\$ n-C10H22 \$\$ UN 224	124-18-5	nist129k.1	10828	96	C10H22	142



Data File: \\30wintarget\cham\30msv1.i\1050610.b\1.b\10506013.d

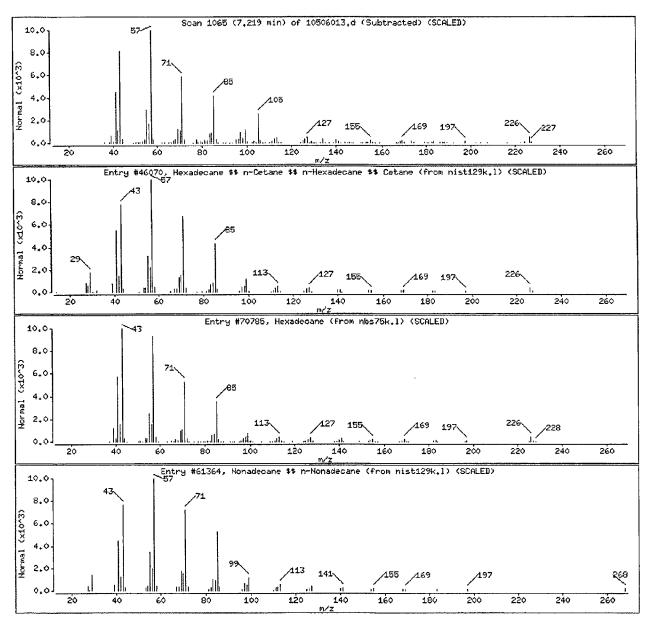
Client ID: 2H/4H-12 Instrument: 30msv1.i

Sample Info: 3027140007,,6.21

Punge Volume: 6,2 Operator: JEW

Column phase: RTX-VHS Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Hexadecane \$\$ n-Cetane \$\$ n-Hexadecane \$	544-76-3	nist129k.l	46070	97	C16H34	226
Hexadecane	544-76-3	nbs75k.1	70785	93	C16H34	226
Nonadecane \$\$ n-Nonadecane	629-92-5	nist129k.l	61364	81	C19H40	268



Data File: \\30wintarget\chem\30msv1.i\1050610,b\1.b\10506013,d

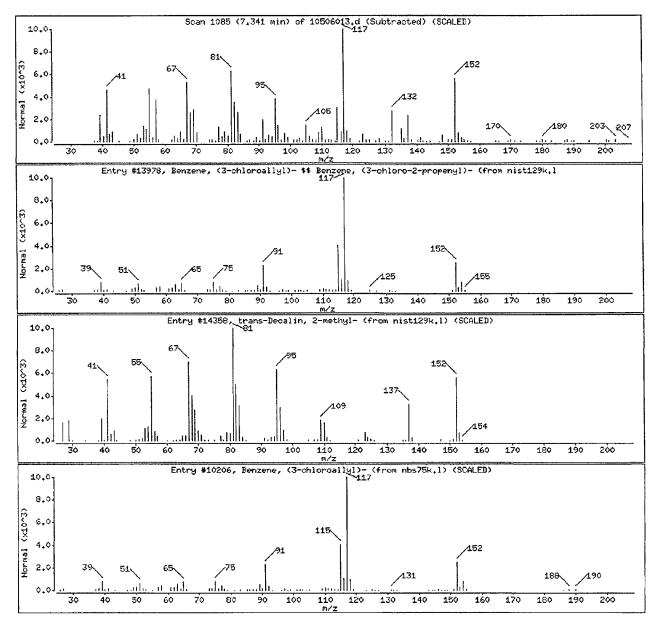
Client ID: 2H/4H-12 Instrument: 30msv1.i

Sample Info: 3027140007,,6.21

Purge Volume: 6.2 Operator: JEW

Column phase: RTX-VMS Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Benzene, (3-chloroally1)- \$\$ Benzene, (3	6268-37-7	nist129k.1	13978	50	C9H9C1	152
trans-Decalin, 2-methyl-	0-00-0	nist129k.1	14358	50	C11H20	152
Benzene, (3-chloroally1)-	6268-37-7	nbs75k.1	10206	50	C9H9C1	152



Data File: \\30wintarget\chem\30msv1.:\1050610.b\1.b\10506013.d

Date : 06-HAY-2010 16:18

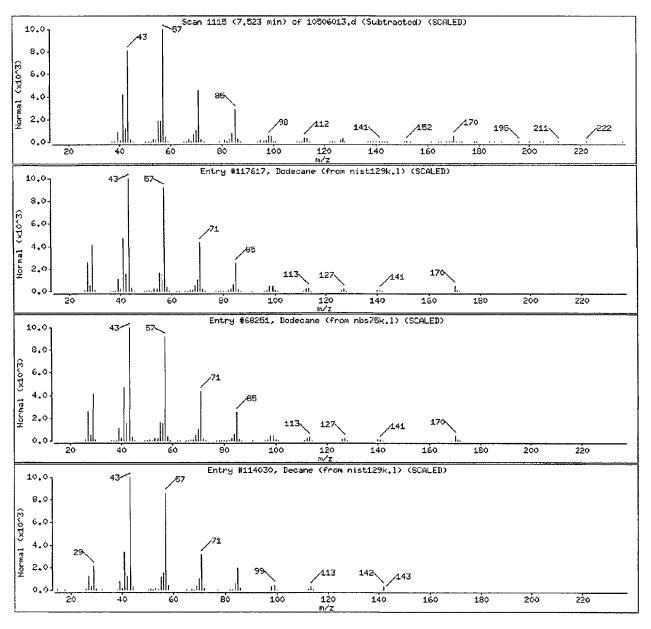
Client ID: 2H/4H-12 Instrument: 30msv1.i

Sample Info: 3027140007,,6,21

Punge Volume: 6.2 Operator: JEW

Column phase: RTX-VMS Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Dodeoane	112-40-3	nist129k.l	117617	97	C12H26	170
Dodecane	112-40-3	nbs75k.1	68251	97	C12H26	170
Decane	124-18-5	nist129k,l	114030	91	C10H22	142



Data File: \\30wintarget\chem\30msv1.i\1050610.b\1.b\10506013.d

Date : 06-MAY-2010 16:18

Client ID: 2H/4H-12

Instrument: 30msv1.i

Sample Info: 3027140007,,6.21

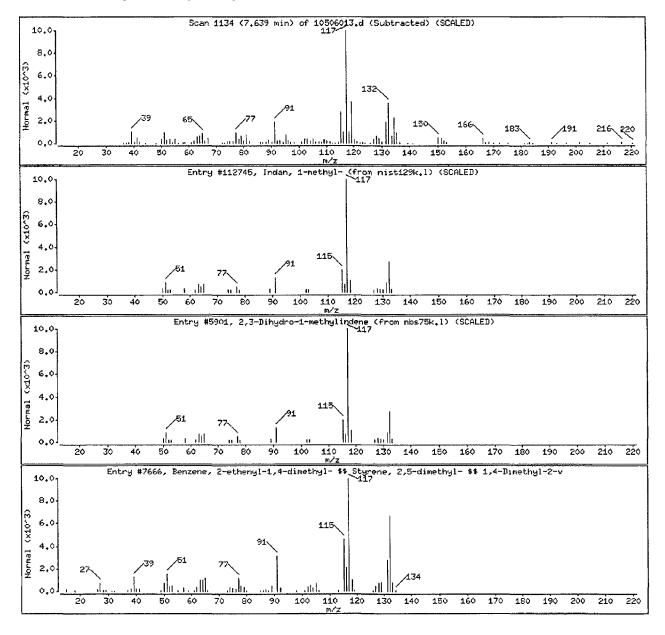
Purge Volume: 6,2

Operator: JEW

Column phase: RTX-VHS

Column diameter: 0.18

Likrary Search Compound Hatch	CAS Number	Library	Entry	Quality	Formula	Weight
Indan, 1-methyl-	767-58-8	nist129k.l	112745	92	C10H12	132
2,3-Dihydro-1-methylindene	27133-93-3	nbs75k ₊ 1	5901	92	C10H12	132
Benzene, 2-ethenyl-1,4-dimethyl- \$\$ Styr	2039-89-6	nist129k.l	7666	89	C10H12	132



Data File: \\30wintarget\chem\30msv1.i\1050610.b\1.b\10506013.d

Date : 06-MAY-2010 16:18

Client ID: 2H/4H-12

Instrument: 30msv1.i

Sample Info: 3027140007,,6.21

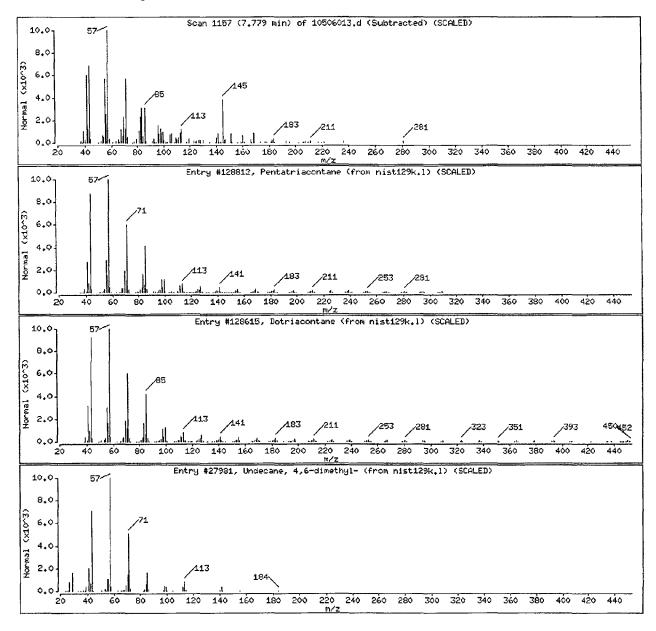
Purge Volume: 6.2

Operator: JEW

Column phase: RTX-VMS

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Pentatriscontane	630-07-9	nist129k.l	128812	43	C35H72	493
Dotriacontane	544-85-4	nist129k,1	128615	43	C32H66	451
Undecame, 4,6-dimethyl-	17312-82-2	nist129k.l	27981	38	C13H28	184



Data File: \\30wintarget\chem\30msv1.i\1050610.b\1.b\10506013.d

Date : 06-MAY-2010 16:18

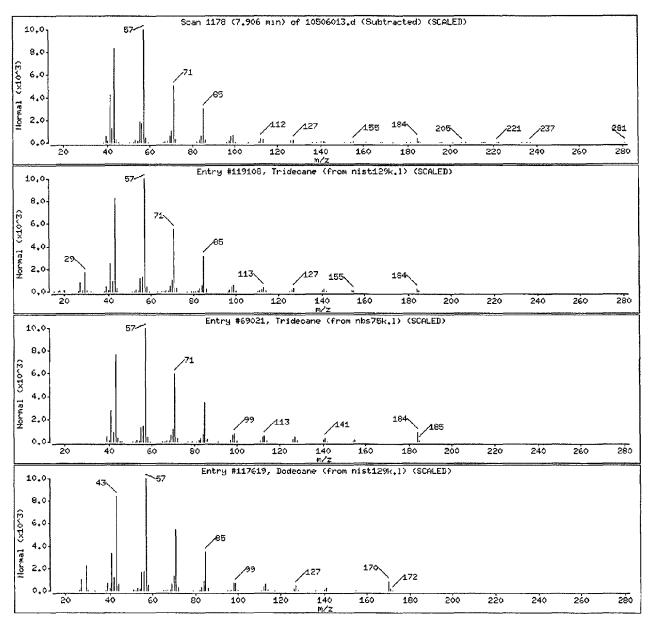
Client ID: 2H/4H-12 Instrument: 30msv1.i

Sample Info: 3027140007,,6,21

Purge Volume: 6.2 Operator: JEN

Column phase: RTX-VMS Column diameter: 0.18

Library Search Compound Match	CAS Humber	Library	Entry	Quality	Formula	Weight
Tridecane	629-50-5	nist129k.1	119108	97	C13H28	184
Tridecane	629-50-5	nbs75k.l	69021	95	C13H28	184
Dodecane	112-40-3	nıst129k.I	117619	94	C12H26	170



Data File: \\30wintarget\chem\30msv1.i\1050610.b\1.b\10506013.d

Date : 06-MAY-2010 16:18

Client ID: 2H/4H-12 Instrument: 30msv1.i

Sample Info: 3027140007,,6.21

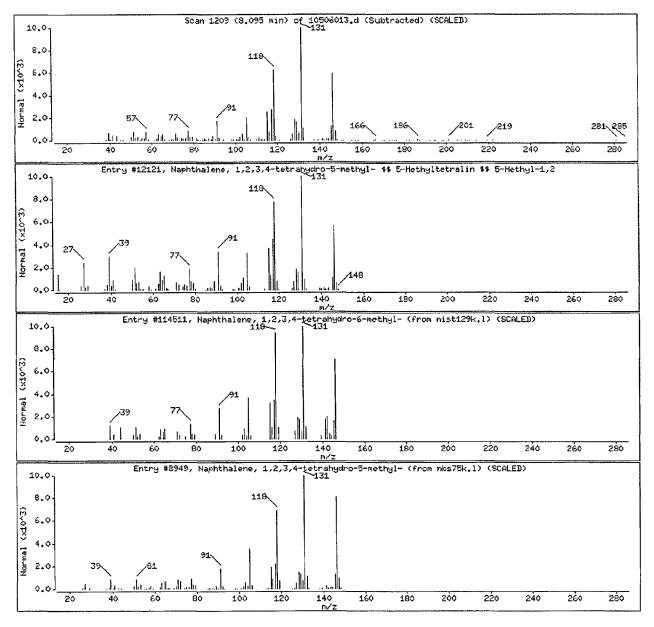
Purge Volume: 6.2

Operator: JEW

Column phase: RTX-VMS

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Qual1ty	Formula	Weight
Naphthalene, 1,2,3,4-tetrahydro-5-methyl	2809-64-5	nist129k.l	12121	97	C11H14	146
Naphthalene, 1,2,3,4-tetrahydro-6-methyl	1680-51-9	nis t1 29k.1	114511	94	C11H14	146
Naphthalene, 1,2,3,4-tetrahydro-5-methyl	2809-64-5	nbs75k ₊ 1	8949	94	C11H14	146



Data File: \\30wintarget\chem\30msv1.1\1050610.b\1.b\10506013.d

Date : 06-MAY-2010 16:18

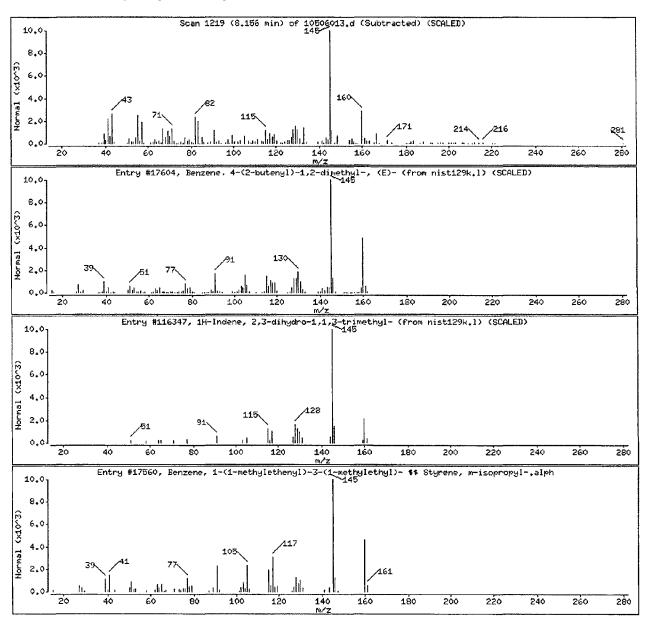
Client ID: 2H/4H-12 Instrument: 30msv1.1

Sample Info: 3027140007,,6.21

Purge Volume: 6.2 Operator: JEW

Column phase: RTX-VMS Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Benzene, 4-(2-butenyl)-1,2-dimethyl-, (E	54340-86-2	nist129k.l	17604	86	C12H16	160
1H-Indene, 2,3-dihydro-1,1,3-trimethyl-	2613-76-5	nist129k.l	116347	86	C12H16	160
Benzene, 1-(1-methylethenyl)-3-(1-methyl	1129-29-9	nist129k.l	17560	86	C12H16	160



Data File: \\30wintarget\chem\30msv1.1\1050610.b\1.b\10506013.d

Date : 06-MAY-2010 16:18

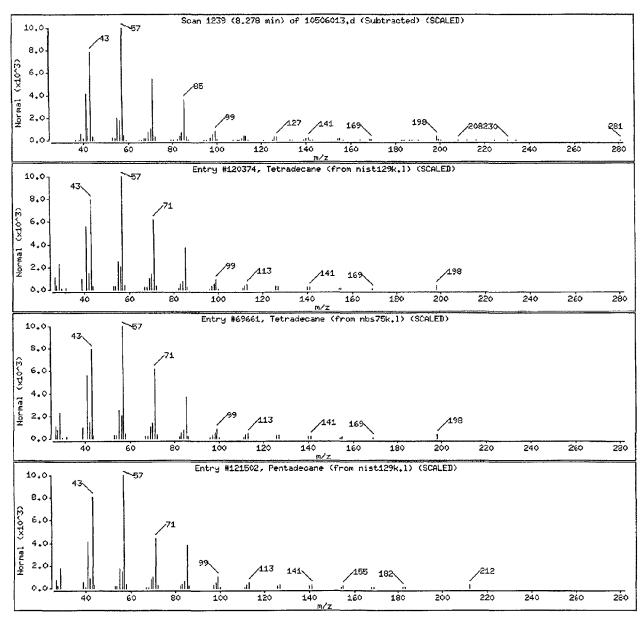
Client ID: 2H/4H-12 Instrument: 30msv1.i

Sample Info: 3027140007,,6.21

Purge Volume: 6,2 Operator: JEW

Column phase: RTX-VMS Column diameter: 0.12

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Tetradecane	629-59-4	nist129k,I	120374	98	C14H30	198
Tetradecane	629-59-4	nbs75k.1	69661	98	C14H30	198
Pentadecane	629-62-9	nist129k.1	121502	96	C15H32	212



SVOC Tics

FORM 1 SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT	SAMPLE	NO.
	MB	

Lab Name:	C	ontract:]
Lab Code:	Case No.:	SAS No.: S	DG No.: 30MSS1-MSS10507
Matrix: (soil/water)	SOIL	Lab Sample	ID: 166856
Sample wt/vol:	15.0 (g/m L) G	Lab File ID): M10507E2
Level: (low/med)	LOW	Date Receiv	red: 05/06/10
% Moisture:	decanted: (Y/N)	_ Date Extrac	ted:07/11/91
Concentrated Extract	Volume: 5000(u	L) Date Analyz	ed: 05/07/10
Injection Volume:	(uL)	Dilution Fa	actor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

Number TICs found: 1

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q ===
1.	UNKNOWN	4.82	i e	
2. 3. 4.				
6				
7 8 9.				
10.		-		
13.				
14.				
16.		-		
18. 19. 20.				
21.				
23.				
25. 26. 27.				
29.				
30				

FORM 1 SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MB	

4. D

Lab Name:	Co	ontract:	
Lab Code:	Case No.:	SAS No.: SDO	G No.: 30MSS1-MSS109
Matrix: (soil/water)	SOIL	Lab Sample I	D: 168409
Sample wt/vol:	15.0 (g/mL) G	Lab File ID:	M10512A4
Level: (low/med)	LOW	Date Received	d: 05/11/10
% Moisture:	decanted: (Y/N)	Date Extract	ed:07/11/91
Concentrated Extract	Volume: 5000(uI	Date Analyze	d: 05/12/10
Injection Volume:	(uL)	Dilution Fac	tor: 1.0
GPC Cleanup: (Y/N)	N pH: 7.0		
Number TICs found:	2	CONCENTRATION UNITA (ug/L or ug/Kg) ug	

1					······································
CAS NUMBER	COMPOUND NAME	RT	ſ	CONC.	Q
			*=====		1
1.	UNKNOWN	3.75		258	
2.	UNKNOWN	4.09		211	J
3	<u> </u>				ĺ
4.					\ -,
5					
6.	* ************************************				
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28.					
23.					
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FORM I SV-TIC

FORM 1 URS Corporation - PG05-MAY-2010 13:40 SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

	2H/4H-1
act.	

Lab Name:

Contract:

Lab Code:

Case No.:

SAS No.:

SDG No.: 30MSS1-MSS105111

Matrix: (soil/water) SOIL

Lab Sample ID: 3027140001

Sample wt/vol:

15.4 (g/mL) G

Lab File ID: M10511A0

Level: (low/med)

LOW

Date Received: 05/05/10

% Moisture: 9

decanted: (Y/N) N

Date Extracted:07/11/91

Concentrated Extract Volume:

5000 (uL)

Date Analyzed: 05/11/10

Injection Volume: ____(uL)

Dilution Factor: 1.0

GPC Cleanup:

(Y/N) N

pH: 7.0

CONCENTRATION UNITS:

Number TICs found: 10 (ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 2. 3. 4. 5. 6. 646-31-1 7. 8. 9. 10.	UNKNOWN UNKNOWN UNKNOWN UNKNOWN TETRACOSANE UNKNOWN UNKNOWN UNKNOWN UNKNOWN UNKNOWN UNKNOWN	4.83 11.63 11.92 13.51 13.60 13.67 13.70 14.07 14.21 14.55	1430 1040 159 256 871 293 284 162 156 544	カ カ カ カ カ カ カ カ カ カ カ カ カ カ
12. 13. 14. 15. 16. 17. 18. 19.				
22. 23. 24. 25. 26.				
28. 29. 30.				

FORM 1 URS Corporation - PG05-MAY-2010 13:40. SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

		2H/4H-2
Lab Name:	Contract:	

Lab Code: Case No.: SAS No.: SDG No.: 30MSS1-MSS105111

Matrix: (soil/water) SOIL Lab Sample ID: 3027140003

Sample wt/vol: 15.5 (g/mL) G Lab File ID: M10511A1

Level: (low/med) LOW Date Received: 05/05/10

% Moisture: 11 decanted: (Y/N) N Date Extracted:07/11/91

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 05/11/10

Injection Volume: ____(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

Number TJCs found: 1 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	
1.	UNKNOWN	4.82	1410	J
2. 3.				
5.				
7.				
9.				
10.				
12.				
14.				
16. 17.				
19.				
20.				
22.				
24. 25.				
26. 27. 28.				
29. 30.				

URS Corporation - PG05-MAY-2010 13:40 FORM 1 SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name:

Contract:

2H/4H-7

Lab Code:

Case No.:

SAS No.:

SDG No.: 30MSS1-MSS105111

Matrix: (soil/water) SOIL

Lab Sample ID: 3027140005

Sample wt/vol:

15.2 (g/mL) G

Lab File ID: M10511A2

Level: (low/med)

LOW

Date Received: 05/05/10

% Moisture: 57

decanted: (Y/N) N

Date Extracted:07/11/91

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 05/11/10

Injection Volume: ____(uL)

Number TICs found: 5

Dilution Factor: 1.0

GPC Cleanup:

(X/N) N

pH: 7.0

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

4.83 6.39 7.71 8.95 11.14	1480 830 108	J J J
 		1

FORM I SV-TIC

FORM 1 URS Corporation - PG05-MAY-2010 13:4 SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

2H/4H-12		2H/4	4H-12
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T _ 1_	Code:	
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Lab Name:

Case No.:

Contract: SAS No.:

SDG No.: 30MSS1-MSS105111

Matrix: (soil/water) SOIL

Lab Sample ID: 3027140007

Sample wt/vol: 15.0 (g/mL) G

Lab File ID: M10511E0

Level: (low/med)

LOW

Date Received: 05/05/10

% Moisture: 15 decanted: (Y/N) N

Date Extracted: 07/11/91

Concentrated Extract Volume: 5000(uL)

Date Analyzed: 05/11/10

Injection Volume: ____(uL)

Number TICs found: 4

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: 7.0

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 144-19-4 2. 292-46-6 3. 4. 10544-50-0 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25.	COMPOUND NAME 1,3-PENTANEDIOL, 2,2,4-TRIME LENTHIONINE UNKNOWN CYCLIC OCTAATOMIC SULFUR	=======	EST. CONC. 3400 154 169 204	NJ NJ J
26. 27. 28.				
29.				

FORM I SV-TIC

URS Corporation - PG05-MAY-2010 13:40 FORM 1 SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.:

	TENTATIVELY	IDENITATED	COMPOUNDS	_	2H/4H-11
Lab Name:		Cc	ontract:		ZII/ III II

SAS No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3027140009

Sample wt/vol: 15.3 (g/mL) G Lab File ID: M10511A4

Level: (low/med) LOW Date Received: 05/05/10 decanted: (Y/N) N % Moisture: 19 Date Extracted:07/11/91

Concentrated Extract Volume: 5000(uL) Date Analyzed: 05/11/10

Injection Volume: ____(uL) Dilution Factor: 1.0

(Y/N) N pH: 7.0 GPC Cleanup:

Lab Code:

CONCENTRATION UNITS: Number TICs found: 4 (ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 2. 3. 4. 5	UNKNOWN UNKNOWN UNKNOWN UNKNOWN	4.83 6.39 7.71 11.14	876 1070 163 343	J
7. 8. 9. 10. 11. 12.				
14. 15. 16. 17. 18.				
20. 21. 22. 23. 24. 25.				
26. 27. 28. 29.		\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\		

FORM I SV-TIC

SDG No.: 30MSS1-MSS105111

FORM 1 URS Corporation - PG05-MAY-2010 13:40 SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

Contract:

Lab Code: Case No.: SAS No.: SDG No.: 30MSS1-MSS105111

Matrix: (soil/water) SOIL Lab Sample ID: 3027140011

Sample wt/vol: 15.4 (g/mL) G Lab File ID: M10511A5

Level: (low/med) LOW Date Received: 05/05/10

% Moisture: 16 decanted: (Y/N) N Date Extracted:07/11/91

Concentrated Extract Volume: 5000(UL) Date Analyzed: 05/11/10

Injection Volume: ____(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

Lab Name:

CONCENTRATION UNITS: Number TICs found: 3 (ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 2. 144-19-4 3. 4.	UNKNOWN 1,3-PENTANEDIOL, 2,2,4-TRIME UNKNOWN	4.82	2300	
5. 6. 7. 8. 9.				
11. 12. 13.				
15. 16. 17. 18.				
21				
25. 26. 27. 28.				
29. 30.				

FORM 1 URS Corporation - PG05-MAY-2010 13:40 SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 30MSS1-MSS105111

Matrix: (soil/water) SOIL Lab Sample ID: 3027140013

Sample wt/vol: 15.4 (g/mL) G Lab File ID: M10511A6

Level: (low/med) LOW Date Received: 05/05/10

% Moisture: 10 decanted: (Y/N) N Date Extracted:07/11/91

Concentrated Extract Volume: 5000(uL) Date Analyzed: 05/11/10

Injection Volume: (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CONCENTRATION UNITS:
Number TICs found: 19 (ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 2. 3. 629-94-7 4. 629-97-0 5. 638-67-5 6. 646-31-1 7. 7225-66-3 8. 630-01-3 9. 10. 593-49-7 11. 112-95-8 12. 630-02-4 13. 629-94-7 14. 630-07-9 15. 16. 629-97-0 17. 629-97-0 28. 630-06-8 19. 646-31-1 20. 21. 22. 23. 24. 25. 26. 27. 28. 29. 30.	UNKNOWN HENEICOSANE \$\$ N-HENEICOSANE DOCOSANE TRICOSANE TRICOSANE TRIDECANE, 7-HEXYL- \$\$ 7-HEX HEXACOSANE \$\$ N-HEXACOSANE UNKNOWN HEPTACOSANE \$\$ N-HEPTACOSANE EICOSANE OCTACOSANE HENEICOSANE PENTATIACONTANE UNKNOWN DOCOSANE \$\$ N-DOCOSANE \$\$ NO DOCOSANE \$\$ N-DOCOSANE \$\$ NO HEXATRIACONTANE TETRACOSANE	4.83 8.46 11.11 11.47 11.82 12.16 12.49 12.80 13.08 13.10 13.28 13.39 13.56 13.67 13.84 13.94	1500 201 139 444 1270 2790 4980 5580 134 6430 342 10200 258 9190 367 6480 5310 3600	ל כ ל ל ל ל ל ל ל ל ל ל ל ל ל ל ל ל ל ל

FORM 1 URS Corporation - PG05-MAY-2010 13:40 SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab File ID: M10511A7

TENTATIVELY IDENTIFIED COMPOUNDS

		2H/4H-5
Lab Name:	Contract:	l

SAS No.: SDG No.: 30MSS1-MSS105111 Lab Code: Case No.:

Lab Sample ID: 3027140015 Matrix: (soil/water) SOIL

Sample wt/vol: 15.4 (g/mL) G

Level: (low/med) LOW Date Received: 05/05/10

% Moisture: 8 decanted: (Y/N) N Date Extracted: 07/11/91

Concentrated Extract Volume: 5000(uL) Date Analyzed: 05/11/10

Injection Volume: ____(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CONCENTRATION UNITS: Number TICs found: 5 (ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	ı ~ ı
1. 2. 629-62-9 3. 1560-88-9 4. 630-07-9 5. 55333-99-8 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26.	UNKNOWN PENTADECANE OCTADECANE, 2-METHYL- PENTATRIACONTANE EICOSANE, 7-HEXYL- \$\$ 7-N-HE	4.82 12.49 12.80 13.10	EST. CONC. 1970 137 149 182 374	 J NJ NJ NJ
27. 28. 29. 30.				

FORM 1

URS Corporation - PG05-MAY-2010 13:40

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Lab Code:

Case No.:

LOW

Contract: SAS No.:

SDG No.: 30MSS1-MSS105111

2H/4H-3

Matrix: (soil/water) SOIL

Lab Sample ID: 3027140017

Sample wt/vol:

15.5 (g/mL) G

Lab File ID: M10511A8

Level: (low/med)

Date Received: 05/05/10

% Moisture: 10

decanted: (Y/N) N

Date Extracted:07/11/91

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 05/11/10

Injection Volume: ____(uL)

Dilution Factor: 1.0

GPC Cleanup:

(Y/N) N

pH: 7.0

Number TICs found: 0

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	
1.				
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FORM I SV-TIC

URS Corporation - PG05-MAY-2010 13:40 FORM 1 SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

		2H/4H-6
Lab Name:	Contract:	

Lab Code: Case No.: SAS No.: SDG No.: 30MSS1-MSS105111

Matrix: (soil/water) SOIL Lab Sample ID: 3027140019

Sample wt/vol: 15.0 (g/mL) G Lab File ID: M10511E1

Level: (low/med) LOW Date Received: 05/05/10

% Moisture: 4 decanted: (Y/N) N Date Extracted:07/11/91

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 05/11/10

Injection Volume: ____(uL) Dilution Factor: 1.0

(Y/N) N pH: 7.0 GPC Cleanup:

CONCENTRATION UNITS: Number TICs found: 0 (ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1				
3.				
4				
6.				
7				
8				
10.				
11.				
12. 13.		-		
14.				
15. 16.				
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FORM 1 SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTA	ATIVELY IDENTIFIED	COMPOUNDS	,
Lab Name:	Co	ontract:	
Lab Code:	Case No.:	SAS No.: SDG	No.: MSS1051210.B
Matrix: (soil/water)	WATER	Lab Sample ID	: 3027140021
Sample wt/vol:	1000 (g/mL) ML	Lab File ID:	M10512A0
Level: (low/med)	LOW	Date Received	1.67***
% Moisture:	decanted: (Y/N)	_ Date Extracted	
Concentrated Extract	Volume: 1000 (u)	L) Date Analyzed	
Injection Volume:	(uL)	Dilution Facto	or: 1.0

(Y/N) N

GPC Cleanup:

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L Number TICs found: 19

pH: 7.0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	4.59	2.52]====: J
2. 144-19-4	1,3-PENTANEDIOL, 2,2,4-TRIME			NJ
3.	UNKNOWN	6.24	43.2	J
4.	UNKNOWN	7.53	4.12	J
5.	UNKNOWN	7.66	4.59	J
6.	UNKNOWN	7.69	1.07	J
7. 629-59-4	TETRADECANE	7.80	0.929	
8. 91-64-5	2H-1-BENZOPYRAN-2-ONE	8.07	0.994	ŊJ
9. 629-62-9	PENTADECANE	8.33	0.857	IJ
10.	UNKNOWN	8.78		_
11. 544-76-3	HEXADECANE	8.83		1
12. 629-78-7	HEPTADECANE	. 9.29		
13,	UNKNOWN	9.87		
14.	UNKNOWN	9.92	0.665	
15.	UNKNOWN	11.46	0.940	1
16. 53057-53-7	1,21-DOCOSADIENE	13.34	2.82	
17. 71502-22-2	9-HEXACOSENE	13.51	10.6	
18. 67860-04-2	OXIRANE, HEPTADECYL- \$\$ 1,2-			1
19.	UNKNOWN	14.41	1.22	U
20.	.			
21.				
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FORM I SV-TIC

CLIENT SAMPLE NO.

FORM 1 URS Corporation - PG05-MAY-2010 13:40 SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 30MSS1-MSS105111

Matrix: (soil/water) SOIL Lab Sample ID: 3027140023

 $Sample \ \ wt/vol: \qquad \qquad 15.0 \ \ (g/mL) \ \ G \qquad \qquad Lab \ \ File \ \ ID: \qquad M10511B1$

Level: (low/med) LOW Date Received: 05/05/10

% Moisture: 75 decanted: (Y/N) N Date Extracted:07/11/91

Concentrated Extract Volume: 5000(uL) Date Analyzed: 05/11/10

Injection Volume: (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

Number TICs found: 7 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	. ~ .
1. 144-19-4 2. 74367-33-2 3. 4. 292-46-6 5. 6.	1,3-PENTANEDIOL, 2,2,4-TRIME PROPANOIC ACID, 2-METHYL-, 2 UNKNOWN LENTHIONINE UNKNOWN UNKNOWN CYCLIC OCTAATOMIC SULFUR \$\$	6.40		NJ J J J J J
12. 13. 14. 15. 16. 17. 18. 19. 20.				
21. 22. 23. 24. 25. 26. 27. 28. 29. 30.				

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Courier: Fed Ex UP	s USPS Clie	nt □Comr	nercial (Pace Other		Optio	nal	
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Custody Seal on Cooler/Bo		☐ no		intact: Uve				
Packing Material: Bubb	~ \ \/	Bags 🔲	None (ther _	109			
Thermometer Used	(3) 5	Type of lo	e: (Wet) Blue None			cooling process i	
Cooler Temperature	12,0	Biologica	Tissue	is Frozen: Yes	No		itials of person o	
Temp should be above freezing t	to 6°C			Comments:			,	
Chain of Custody Present			o □N/A	1.				
Chain of Custody Filled Out.		(E)Yes □N	o 🗆 N/A	2.				
Chain of Custody Relinquish	ed.	□Yes (🗥	D □N/A	3.				
Sampler Name & Signature of	on COC:	(Dy)s □N	io 🗆 N/A	4.				
Samples Arrived within Hold	Time:		6 DN/A	5.				
Short Hold Time Analysis (<72hr):	□Yes □Ñ	ig □n/a					
Rush Turn Around Time Re	equested:	(Dyg On	lo 🗆n/A	7. 3	da-)		
Sufficient Volume:			IO DN/A	1				
Correct Containers Used:			lo 🗆 N/A	9.				
-Pace Containers Used:		(C)Yes []	io 🗆 N/A					
Containers Intact:			lo 🗆 N/A	10				
Filtered volume received for	Dissolved tests	□Yes □t	io (ÎÑ)A	11.				
Sample Labels match COC:		(*DYes □1	éo □N/A	12				
-Includes date/time/ID/An	alysis Matrix:	_ 50	, 					İ
All containers needing preservation	n have been checked.	□Yes □t	10 ZWA	13.				
All containers needing preservations with EPA recommer		□Yes □I	10 C□10/A)				
exceptions. VOA, coliform, TOC, O	&G, Wi-DRO (water)	□Yes 🕞	/ ·	Initial when completed		Lot # of added preservative		
Samples checked for dechlo	rination	□Yes □	No DN/A	14.				
Headspace in VOA Vials (>	6mm):	□Yes □	No DNA	15.				
Trip Blank Present:		□Yes □	NO DN/A	16.				
Trip Blank Custody Seals Pr	resent	□Yes □	VO NIN	4				
Pace Trip Blank Lot # (if pur	chased):							
Client Notification/ Resolu	tion:			****		Field Data Req	Jired? Y	/ N
Person Contacted.			Date.	/Time:		<u> </u>		
Comments/ Resolution:								
						<u>-</u>		
						·	/ _	
Project Manager Review	v:		_: <u></u>	100 mm		Date:	5/6/	118
			-			_		

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. out of hold, incorrect preservative, out of temp, incorrect containers)

F-ALLC003-4 23Feb2010

CABOT-EPA 006640

DIM0227873



May 14, 2010

Mr. Jim Pinta URS Corporation Foster Plaza 4 501 Holiday Drive, Suite 300 Pittsburgh, PA 15220

RE: Project:

Pace Project No.: 3027393

Dear Mr. Pinta:

Enclosed are the analytical results for sample(s) received by the laboratory on May 11, 2010. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Timothy Reed

timothy.reed@pacelabs.com

Project Manager

Enclosures

REPORT OF LABORATORY ANALYSIS

Page 1 of 86

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CABOT-EPA 006641



CERTIFICATIONS

Project:

3027393 Pace Project No.:

Pennsylvania Certification IDs 1638 Roseytown Road Suites 2,3&4 Greensburg, PA

15601

Wyoming Certification #. 8TMS-Q Wisconsin/PADEP Certification Wisconsin/PADEP Certification
West Virginia Certification #. 143
Washington Certification # C1941
Virginia Certification #: 00112
Virgini Island/PADEP Certification
Utah/NELAC Certification #. ANTE
Texas/NELAC Certification #. T104704188-09 TX
Tennessee Certification #: TN2867
South Dakota Certification
Puerto Ripid Certification # PA01457 Puerto Rico Certification #. PA01457 Pennsylvania/NELAC Certification #: 65-00282
Oregon/NELAC Certification #: PA200002
North Carolina Certification #: 42706
New York/NELAC Certification #: 10888 New Mexico Certification

New Jersey/NELAC Certification #: PA 051 New Hampshire/NELAC Certification #. 2976 Nevada Certification

Montana Certification # Cert 0082 Missouri Certification #: 235

Michigan/PADEP Certification Massachusetts Certification #: M-PA1457 Maryland Certification #. 308
Maine Certification #: PA0091
Louisiana/NELAC Certification #. LA080002
Louisiana/NELAC Certification #. 4086 Kentucky Certification #: 90133 Kansas/NELAC Certification #: E-10358 Kansas/NELAC Certification #: E-10358 lowa Certification #. 391 Indiana/PADEP Certification Illinois/PADEP Certification Idaho Certification Idaho Certification Hawaii/PADEP Certification Guarn/PADEP Certification #: E87683 Pelaware Certification #: E87683 Delaware Certification
Connecticut Certification #: PH 0694 Colorado Certification
California/NELAC Certification #: 04222CA Arkansas Certification Arizona Certification #: AZ0734 Alabama Certification #. 41590

REPORT OF LABORATORY ANALYSIS

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Page 2 of 86



SAMPLE ANALYTE COUNT

Project:

Pace Project No.: 3027393

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
3027393001	2H/4H-1R	EPA 6010B	CTS	24	PASI-PA
	_	EPA 7471	CTS	1	PASI-PA
		EPA 8270	SPL	75	PASI-PA
		EPA 8260	JEW	55	PASI-PA
		ASTM D2974-87	DSC	1	PASI-PA
		EPA 350.1	DJT	1	PASI-PA
3027393002	2H/4H-1R ASTM	SM 5540C	DLD	1	PASI-PA
	_	SM 4500-CI-E	DJT	1	PASI-PA
3027393003	2H/4H-2R	EPA 6010B	CTS	24	PASI-PA
	_	EPA 7471	CTS	1	PASI-PA
		EPA 8270	SPL	75	PASI-PA
		EPA 8260	JEW	55	PASI-PA
		ASTM D2974-87	DSC	1	PASI-PA
		EPA 350.1	DJT	1	PASI-PA
3027393004	2H/4H-2R ASTM	SM 5540C	DLD	1	PASI-PA
		SM 4500-CI-E	DJT	1	PASI-PA
3027393005	2H/4H-3R	EPA 6010B	CTS	24	PASI-PA
	_	EPA 7471	CTS	1	PASI-PA
		EPA 8270	SPL	75	PASI-PA
		EPA 8260	JEW	55	PASI-PA
		ASTM D2974-87	DSC	1	PASI-PA
		EPA 350 1	DJT	1	PASI-PA
3027393006	2H/4H-3R ASTM	SM 5540C	DLD	1	PASI-PA
	_	SM 4500-CI-E	DJT	1	PASI-PA
3027393007	2H/4H-4R	EPA 6010B	CTS	24	PASI-PA
	_	EPA 7471	CTS	1	PASI-PA
		EPA 8270	SPL	75	PASI-PA
		EPA 8260	JEW	55	PASI-PA
		ASTM D2974-87	DSC	1	PASI-PA
		EPA 350.1	DJT	1	PASI-PA
3027393008	2H/4H-4R ASTM	SM 5540C	DLD	1	PASI-PA
	_	SM 4500-CI-E	DJT	1	PASI-PA
3027393009	2H/4H-5R	EPA 6010B	CTS	24	PASI-PA
	_	EPA 7471	CTS	1	PASI-PA
		EPA 8270	SPL	75	PASI-PA
		EPA 8260	JEW	55	PASI-PA
		ASTM D2974-87	DSC	1	PASI-PA

REPORT OF LABORATORY ANALYSIS

Page 3 of 86

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CABOT-EPA 006643



(724)850-5600

SAMPLE ANALYTE COUNT

Project.

Pace Project No.: 3027393

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 350.1	DJT	1	PASI-PA
3027393010	2H/4H-5R ASTM	SM 5540C	DLD	1	PASI-PA
	_	SM 4500-CI-E	DJT	1	PASI-PA
3027393011	2H/4H-6R	EPA 6010B	CTS	24	PASI-PA
	_	EPA 7471	CTS	1	PASI-PA
		EPA 8270	SPL	75	PASI-PA
		EPA 8260	JEW	55	PASI-PA
		ASTM D2974-87	DSC	1	PASI-PA
		EPA 350.1	DJT	1	PASI-PA
3027393012	2H/4H-6R ASTM	SM 5540C	DLD	1	PASI-PA
	_	SM 4500-CI-E	DJT	1	PASI-PA
3027393013	2H/4H-7R	EPA 6010B	CTS	24	PASI-PA
	_	EPA 7471	CTS	1	PASI-PA
		EPA 8270	SPL	75	PASI-PA
		EPA 8260	JEW	55	PASI-PA
		ASTM D2974-87	DSC	1	PASI-PA
		EPA 350.1	DJT	1	PASI-PA
3027393014	2H/4H-7R ASTM	SM 5540C	DLD	1	PASI-PA
	_	SM 4500-CI-E	DJT	1	PASI-PA
3027393015	2H/4H-8R	EPA 6010B	CTS	24	PASI-PA
	_	EPA 7471	CTS	1	PASI-PA
		EPA 8270	SPL	75	PASI-PA
		EPA 8260	JEW	55	PASI-PA
		ASTM D2974-87	DSC	1	PASI-PA
		EPA 350.1	DJT	1	PASI-PA
3027393016	2H/4H-8R ASTM	SM 5540C	DLD	1	PASI-PA
	_	SM 4500-CI-E	DJT	1	PASI-PA
3027393017	2H/4H-9R	EPA 6010B	CTS	24	PASI-PA
	_	EPA 7471	CTS	1	PASI-PA
		EPA 8270	SPL	75	PASI-PA
		EPA 8260	JEW	55	PASI-PA
		ASTM D2974-87	DSC	1	PASI-PA
		EPA 350.1	DJT	1	PASI-PA
3027393018	2H/4H-9R ASTM	SM 5540C	DLD	1	PASI-PA
		SM 4500-CI-E	DJT	1	PASI-PA
3027393019	2H/4H-10R	EPA 6010B	CTS	24	PASI-PA
		EPA 7471	CTS	1	PASI-PA

REPORT OF LABORATORY ANALYSIS

Page 4 of 86

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CABOT-EPA 006644



SAMPLE ANALYTE COUNT

Project.

Pace Project No.:

3027393

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 8270	SPL	75	PASI-PA
		EPA 8260	JEW	55	PASI-PA
		ASTM D2974-87	DSC	1	PASI-PA
		EPA 350.1	DJT	1	PASI-PA
3027393020	2H/4H-10R ASTM	SM 5540C	DLD	1	PASI-PA
	_	SM 4500-CI-E	DJT	1	PASI-PA
3027393021	2H/4H-11R	EPA 6010B	CTS	24	PASI-PA
	_	EPA 7471	CTS	1	PASI-PA
		EPA 8270	SPL	75	PASI-PA
		EPA 8260	JEW	55	PASI-PA
		ASTM D2974-87	DSC	1	PASI-PA
		EPA 350.1	DJT	1	PASI-PA
3027393022	2H/4H-11R ASTM	SM 5540C	DLD	1	PASI-PA
		SM 4500-CI-E	DJT	1	PASI-PA
3027393023	2H/4H-12R	EPA 6010B	CTS	24	PASI-PA
	_	EPA 7471	CTS	1	PASI-PA
		EPA 8270	SPL	75	PASI-PA
		EPA 8260	JEW	55	PASI-PA
		ASTM D2974-87	DSC	1	PASI-PA
		EPA 350.1	DJT	1	PASI-PA
3027393024	2H/4H-12R ASTM	SM 5540C	DLD	1	PASI-PA
		SM 4500-CI-E	DJT	1	PASI-PA

REPORT OF LABORATORY ANALYSIS

Page 5 of 86

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CABOT-EPA 006645



ANALYTICAL RESULTS

Project: 3027393

Date: 05/14/2010 03:55 PM

Sample: 2H/4H-1R	Lab ID: 302	7393001	Collected: 05/10/	10 12:30	Received: 05	/11/10 10:00 M	latrix. Solid	
Results reported on a "dry-weig	jht" basis							
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
010 MET ICP	Analytical Meth	nod: EPA 601	0B Preparation Me	ethod: El	PA 3050			
Aluminum	10800 mg	j/kg	68	1	05/11/10 16:38	05/13/10 14:40	7429-90-5	
Antimony	ND mg	a/kg	0 34	1	05/11/10 16:38	05/13/10 14:40	7440-36-0	
Arsenic	3.6 m	ı/kg	0 34	1	05/11/10 16:38	05/13/10 14:40	7440-38-2	
Barium	176 mg	ı/kg	1,4	1	05/11/10 16.38	05/13/10 14:40	7440-39-3	
Beryllium	0.47 mg		0 14	1		05/13/10 14 40		
Boron	5.1 mg	ı/kg	3.4	1	05/11/10 16.38	05/13/10 14:40	7440-42-8	
Cadmium	ND mg		0.14	1		05/13/10 14:40		
Calcium	2040 mg		137	1		05/13/10 14:40		
Chromium	13.2 mg		0.34	1	05/11/10 16:38	05/13/10 14:40	7440-47-3	
Cobalt	11.8 mg		0.68	1		05/13/10 14:40		
Copper	27.6 mg		0.68	1		05/13/10 14:40		
ron	22800 mg		6.8	1		05/13/10 14:40		
Lead	0.47 mg	-	0.34	1		05/13/10 14 40		
Magnesium	4300 mg		34 2	1		05/13/10 14:40		
Manganese	432 mg		0.68	1		05/13/10 14:40		
Molybdenum	ND mg		1.4	1		05/13/10 14:40		
Nickel	19.5 mg		1.4	1		05/13/10 14:40		
Potassium	1420 mg		34.2	1		05/13/10 14:40		
Selenium	ND mg		0.34	1		05/13/10 14:40		
Silver	ND mg		0.14	1		05/13/10 14:40		
Sodium	ND mg		342	1		05/13/10 14:40		
Thallium	ND mg		1.4	1		05/13/10 14:40		
√anadium	12.1 mg		0 68	1		05/13/10 14:40		
Zinc	53.7 mg		0 68	1		05/13/10 14:40		
7471 Mercury	Analytical Met	nod. EPA 747	71 Preparation Met	hod. EP	A 7471			
Mercury	ND m	g/kg	0.10	1	05/12/10 11:39	05/13/10 11:11	7439-97-6	
B270 MSSV FULL LIST	Analytical Met	nod: EPA 827	70 Preparation Met	hod: EP	A 3546			
MICROWAVE								
Acenaphthene	ND ug	/kg	354	1	05/11/10 16:25	05/12/10 15:24	83-32-9	
Acenaphthylene	ND ug	/kg	354	1	05/11/10 16:25	05/12/10 15:24	208-96-8	
Anthracene	ND ug	/kg	354	1	05/11/10 16:25	05/12/10 15:24	120-12-7	
Azobenzene	ND ug	/kg	354	1	05/11/10 16.25	05/12/10 15:24	103-33-3	
Benzo(a)anthracene	ND ug	/kg	354	1	05/11/10 16 25	05/12/10 15 [.] 24	56-55-3	
Benzo(a)pyrene	ND ug	/kg	354	1	05/11/10 16.25	05/12/10 15:24	50-32-8	
Benzo(b)fluoranthene	ND ug	/kg	354	1	05/11/10 16.25	05/12/10 15:24	205-99-2	
Benzo(g,h,i)perylene	ND ug	ı/kg	354	1	05/11/10 16:25	05/12/10 15:24	191-24-2	
Benzo(k)fluoranthene	ND ug	/kg	354	1	05/11/10 16:25	05/12/10 15:24	207-08-9	
Benzoic acid	ND ug	_	886	1		05/12/10 15:24		
Benzyl alcohol	ND ug	•	354	1		05/12/10 15:24		
4-Bromophenylphenyl ether	ND ug	-	354	1		05/12/10 15:24		
Butylbenzylphthalate	ND ug	•	354	1		05/12/10 15:24		
Carbazole	ND ug	-	354	1		05/12/10 15:24		
4-Chloro-3-methylphenol	ND ug	•	354	i		05/12/10 15 24		
a many priorior	110 49	···3		•	20, 1., 10 10.20	20, 12, 10 10 24	30 00-7	

REPORT OF LABORATORY ANALYSIS

Page 6 of 86

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CABOT-EPA 006646



ANALYTICAL RESULTS

Project:

Pace Project No: 3027393

Sample: 2H/4H-1R Lab ID: 3027393001 Collected: 05/10/10 12:30 Received: 05/11/10 10:00 Matrix: Solid Results reported on a "dry-weight" basis **Parameters** Results Units Report Limit DF Prepared Analyzed CAS No. Qual 8270 MSSV FULL LIST Analytical Method: EPA 8270 Preparation Method: EPA 3546 **MICROWAVE** bis(2-Chloroethoxy)methane ND ug/kg 05/11/10 16:25 05/12/10 15 24 111-91-1 354 bis(2-Chloroethyl) ether ND ug/kg 354 05/11/10 16:25 05/12/10 15.24 111-44-4 bis(2-Chloroisopropyl) ether 354 ND ug/kg 05/11/10 16:25 05/12/10 15:24 108-60-1 1 2-Chloronaphthalene ND ug/kg 354 05/11/10 16.25 05/12/10 15.24 91-58-7 2-Chlorophenol ND ug/kg 354 05/11/10 16:25 05/12/10 15:24 95-57-8 4-Chlorophenylphenyl ether ND ug/kg 354 05/11/10 16.25 05/12/10 15 24 7005-72-3 Chrysene ND ug/kg 354 05/11/10 16:25 05/12/10 15:24 218-01-9 Dibenz(a,h)anthracene ND ug/kg 354 05/11/10 16 25 05/12/10 15 24 53-70-3 ND ug/kg Dibenzofuran 354 05/11/10 16:25 05/12/10 15:24 132-64-9 1,2-Dichlorobenzene ND ug/kg 354 05/11/10 16:25 05/12/10 15:24 95-50-1 1,3-Dichlorobenzene 354 05/11/10 16:25 05/12/10 15:24 541-73-1 ND ug/kg 1.4-Dichlorobenzene ND ug/kg 354 05/11/10 16:25 05/12/10 15:24 106-46-7 3,3'-Dichlorobenzidine ND ug/kg 354 05/11/10 16:25 05/12/10 15:24 91-94-1 2.4-Dichlorophenol ND ug/kg 354 05/11/10 16:25 05/12/10 15:24 120-83-2 Diethylphthalate ND ug/kg 354 05/11/10 16:25 05/12/10 15:24 84-66-2 1 2,4-Dimethylphenol ND ug/kg 354 05/11/10 16:25 05/12/10 15:24 105-67-9 Dimethylphthalate ND ug/kg 354 05/11/10 16 25 05/12/10 15.24 131-11-3 Di-n-butylphthalate ND ug/kg 354 05/11/10 16:25 05/12/10 15:24 84-74-2 ND ug/kg 4,6-Dinitro-2-methylphenol 886 05/11/10 16:25 05/12/10 15 24 534-52-1 2.4-Dinitrophenol ND ug/kg 886 05/11/10 16.25 05/12/10 15:24 51-28-5 2,4-Dinitrotoluene ND ug/kg 354 05/11/10 16:25 05/12/10 15:24 121-14-2 2.6-Dinitrotoluene ND ug/kg 354 05/11/10 16 25 05/12/10 15:24 606-20-2 Di-n-octylphthalate ND ug/kg 354 1 05/11/10 16:25 05/12/10 15:24 117-84-0 bis(2-Ethylhexyl)phthalate ND ug/kg 354 05/11/10 16:25 05/12/10 15:24 117-81-7 Fluoranthene ND ug/kg 354 05/11/10 16.25 05/12/10 15:24 206-44-0 Fluorene ND ug/kg 354 05/11/10 16:25 05/12/10 15:24 86-73-7 Hexachloro-1,3-butadiene ND ug/kg 354 05/11/10 16.25 05/12/10 15:24 87-68-3 Hexachlorobenzene ND ug/kg 354 05/11/10 16:25 05/12/10 15:24 118-74-1 Hexachlorocyclopentadiene ND ug/kg 354 05/11/10 16 25 05/12/10 15.24 77-47-4 Hexachloroethane ND ug/kg 354 05/11/10 16:25 05/12/10 15:24 67-72-1 Indeno(1,2,3-cd)pyrene ND ug/kg 354 05/11/10 16:25 05/12/10 15 24 193-39-5 1 Isophorone ND ug/kg 354 05/11/10 16.25 05/12/10 15:24 78-59-1 1-Methylnaphthalene ND ug/kg 354 05/11/10 16:25 05/12/10 15:24 90-12-0 2-Methylnaphthalene 354 ND ug/kg 05/11/10 16:25 05/12/10 15:24 91-57-6 2-Methylphenol(o-Creso!) ND ug/kg 354 05/11/10 16 25 05/12/10 15:24 95-48-7 3&4-Methylphenol(m&p Cresol) ND ug/kg 708 05/11/10 16:25 05/12/10 15:24 Naphthalene ND ug/kg 354 05/11/10 16:25 05/12/10 15.24 91-20-3 2-Nitroaniline 886 ND ug/kg 05/11/10 16.25 05/12/10 15:24 88-74-4 3-Nitroaniline ND ug/kg 886 05/11/10 16:25 05/12/10 15 24 99-09-2 4-Nitroaniline ND ug/kg 886 05/11/10 16:25 05/12/10 15:24 100-01-6 Nitrobenzene ND ug/kg 354 05/11/10 16:25 05/12/10 15:24 98-95-3 2-Nitrophenol ND ug/kg 354 05/11/10 16:25 05/12/10 15 24 88-75-5 4-Nitrophenol ND ug/kg 354 05/11/10 16 25 05/12/10 15:24 100-02-7 N-Nitrosodimethylamine ND ug/kg 354 05/11/10 16.25 05/12/10 15:24 62-75-9

Date: 05/14/2010 03:55 PM

N-Nitroso-di-n-propylamine

REPORT OF LABORATORY ANALYSIS

354

ND ug/kg

Page 7 of 86

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CABOT-EPA 006647

05/11/10 16:25 05/12/10 15:24 621-64-7



ANALYTICAL RESULTS

Project: a027393

Sample: 2H/4H-1R Lab ID: 3027393001 Collected: 05/10/10 12:30 Received: 05/11/10 10.00 Matrix Solid Results reported on a "dry-weight" basis Parameters Results Units Report Limit DF Prepared Analyzed CAS No Qual 8270 MSSV FULL LIST Analytical Method. EPA 8270 Preparation Method EPA 3546 MICROWAVE 05/11/10 16:25 05/12/10 15:24 86-30-6 ND ug/kg 354 N-Nitrosodiphenylamine Pentachlorophenol ND ug/kg 886 05/11/10 16:25 05/12/10 15:24 87-86-5 354 05/11/10 16:25 05/12/10 15:24 85-01-8 Phenanthrene ND ug/kg 1 Phenol ND ug/kg 354 05/11/10 16:25 05/12/10 15:24 108-95-2 05/11/10 16:25 05/12/10 15:24 129-00-0 Pyrene ND ug/kg 354 1 1,2,4-Trichlorobenzene ND ug/kg 354 05/11/10 16:25 05/12/10 15:24 120-82-1 886 05/11/10 16:25 05/12/10 15:24 95-95-4 2,4,5-Trichlorophenol ND ug/kg 1 05/11/10 16:25 05/12/10 15:24 88-06-2 2,4,6-Trichlorophenol ND ug/kg 354 35-114 05/11/10 16:25 05/12/10 15:24 4165-60-0 Nitrobenzene-d5 (S) 79 % 1 43-116 05/11/10 16:25 05/12/10 15:24 321-60-8 2-Fluorobiphenyl (S) 95 % 33-141 05/11/10 16:25 05/12/10 15:24 1718-51-0 Terphenyl-d14 (S) 113 % 1 10-110 05/11/10 16:25 05/12/10 15:24 13127-88-3 Phenol-d6 (S) 89 % 1 21-110 05/11/10 16:25 05/12/10 15:24 367-12-4 2-Fluorophenol (S) 85 % 1 110 % 10-123 05/11/10 16.25 05/12/10 15:24 118-79-6 2,4,6-Tribromophenol (S) 8260 MSV 5030 Low Level Analytical Method. EPA 8260 Acetone 34.6 ug/kg 92 1 05/12/10 20:12 67-64-1 05/12/10 20:12 71-43-2 Benzene ND ug/kg 46 1 Bromochloromethane ND ug/kg 46 05/12/10 20.12 74-97-5 46 05/12/10 20:12 75-27-4 Bromodichloromethane ND ug/kg 1 Bromoform ND ug/kg 46 05/12/10 20.12 75-25-2 05/12/10 20 12 74-83-9 Bromomethane ND ug/kg 4.6 1 **TOTAL BTEX** ND ug/kg 27.5 05/12/10 20:12 05/12/10 20.12 78-93-3 2-Butanone (MEK) ND ug/kg 9.2 1 05/12/10 20.12 104-51-8 n-Butylbenzene ND ug/kg 4.6 05/12/10 20.12 135-98-8 sec-Butylbenzene ND ug/kg 4.6 1 05/12/10 20:12 75-15-0 Carbon disulfide ND ug/kg 4.6 Carbon tetrachloride 46 05/12/10 20:12 56-23-5 ND ug/kg 1 05/12/10 20:12 108-90-7 Chlorobenzene ND ug/kg 4.6 ND ug/kg 05/12/10 20:12 75-00-3 46 Chloroethane 05/12/10 20:12 67-66-3 Chloroform ND ug/kg 46 05/12/10 20:12 74-87-3 Chloromethane ND ug/kg 05/12/10 20:12 124-48-1 Dibromochloromethane ND ug/kg 4.6 05/12/10 20:12 95-50-1 ND ug/kg 1.2-Dichlorobenzene 46 05/12/10 20:12 541-73-1 1,3-Dichlorobenzene ND ug/kg 4.6 4.6 05/12/10 20:12 106-46-7 1.4-Dichlorobenzene ND ug/kg 05/12/10 20:12 75-34-3 1,1-Dichloroethane ND ug/kg 4.6 46 05/12/10 20:12 107-06-2 1.2-Dichloroethane ND ug/kg 05/12/10 20:12 540-59-0 1,2-Dichloroethene (Total) ND ug/kg 4.6 05/12/10 20:12 75-35-4 1 1.1-Dichloroethene ND ug/kg 4.6 05/12/10 20:12 156-59-2 cis-1,2-Dichloroethene ND ug/kg 46 05/12/10 20:12 156-60-5 trans-1,2-Dichloroethene ND ug/kg 1 05/12/10 20:12 78-87-5 1,2-Dichloropropane ND ug/kg 4.6 4.6 05/12/10 20:12 10061-01-5 1 cis-1.3-Dichloropropene ND ug/kg 05/12/10 20:12 10061-02-6 trans-1,3-Dichloropropene ND ug/kg

Date. 05/14/2010 03.55 PM

REPORT OF LABORATORY ANALYSIS

Page 8 of 86

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CABOT-EPA 006648



ANALYTICAL RESULTS

Project.

2027

Pace Project No.: 3027393

Sample: 2H/4H-1R	Lab ID: 3027393001	Collected 05/10/10 1:	2:30 Receiv	ved: 05/11/10 10.00	Matrix. Solid
Results reported on a "dry-weigh	t" basis				
Parameters	Results Units	Report Limit D	F Prep	pared Analyzed	CAS No. Qu
8260 MSV 5030 Low Level	Analytical Method. EPA 826	60			
Ethylbenzene	ND ug/kg	4.6	Į	05/12/10 20:1	2 100-41-4
2-Hexanone	ND ug/kg	9.2		05/12/10 20:1	2 591-78-6
Isopropylbenzene (Cumene)	ND ug/kg	4.6	1	05/12/10 20:1	2 98-82-8
p-Isopropyltoluene	ND ug/kg	46	1	05/12/10 20:1	2 99-87-6
Methylene Chloride	ND ug/kg	4.6	1	05/12/10 20:1	2 75-09-2
4-Methyl-2-pentanone (MIBK)	ND ug/kg	9.2	1	05/12/10 20:1	2 108-10-1
Methyl-tert-butyl ether	ND ug/kg	4.6	1	05/12/10 20:1	2 1634-04-4
Naphthalene	ND ug/kg	4.6	1	05/12/10 20.1	2 91-20-3
n-Propylbenzene	ND ug/kg	4.6	1	05/12/10 20:1	2 103-65-1
Styrene	ND ug/kg	46	1	05/12/10 20:1	2 100-42-5
1,1,2,2-Tetrachloroethane	ND ug/kg	4.6	1	05/12/10 20.1	2 79-34-5
Tetrachloroethene	ND ug/kg	4.6	1	05/12/10 20:1	2 127-18-4
Toluene	ND ug/kg	4.6	1	05/12/10 20:1	2 108-88-3
1,2,4-Trichlorobenzene	ND ug/kg	4.6	1	05/12/10 20:1	2 120-82-1
1,1,1-Trichloroethane	ND ug/kg	46	1	05/12/10 20:1	2 71-55-6
1,1,2-Trichloroethane	ND ug/kg	4.6	1	05/12/10 20:1	2 79-00-5
Trichloroethene	ND ug/kg	4.6	1	05/12/10 20.1	2 79-01-6
1,2,4-Trimethylbenzene	ND ug/kg	46	1	05/12/10 20:1	2 95-63-6
1,3,5-Trimethylbenzene	ND ug/kg	4.6	1	05/12/10 20·1	2 108-67-8
Vinyl chloride	ND ug/kg	4.6	1	05/12/10 20:1	2 75-01-4
Xylene (Total)	ND ug/kg	13.8	1	05/12/10 20:1	2 1330-20-7
m&p-Xylene	ND ug/kg	9.2	1	05/12/10 20.1	2 179601-23-1
o-Xylene	ND ug/kg	4 6	1	05/12/10 20:1	
Toluene-d8 (S)	90 %	70-130	1	05/12/10 20.1	2 2037-26-5
4-Bromofluorobenzene (S)	100 %	70-130	1	05/12/10 20:1	
1,2-Dichloroethane-d4 (S)	136 %	70-130	1		2 17060-07-0 S0
Percent Moisture	Analytical Method: ASTM E	02974-87			
Percent Moisture	7.4 %	0.10	1	05/12/10 14.5	58
350.1 Ammonia	Analytical Method: EPA 350	0.1			
Nitrogen, Ammonia	ND mg/kg	5.4	1	05/12/10 15:2	22 7664-41-7

Date: 05/14/2010 03.55 PM

REPORT OF LABORATORY ANALYSIS

Page 9 of 86

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CABOT-EPA 006649



ANALYTICAL RESULTS

Project:

Pace Project No: 3027393

Sample: 2H/4H-1R ASTM	Lab ID: 3	027393002	Collected: 05/10/1	0 12:30	Received: 0	5/11/10 10:00	Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No	Qual
5540C MBAS Surfactants	Analytical M	ethod. SM 55	40C					
Surfactants	ND	mg/L	0 10	1		05/13/10 14:08	3	2c
4500 Chloride	Analytical M	ethod SM 45	00-CI-E					
Chloride	ND	mg/L	3.0	1		05/12/10 20.37	16887-00-6	

Date: 05/14/2010 03 55 PM

REPORT OF LABORATORY ANALYSIS

Page 10 of 86

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CABOT-EPA 006650



ANALYTICAL RESULTS

Lab ID: 3027393003

ND ug/kg

ND ug/kg

ND ug/kg

ND ug/kg

ND ug/kg

ND ug/kg

ND ug/kg

ND ug/kg

ND ug/kg

Collected: 05/10/10 12:50 Received: 05/11/10 10 00 Matrix: Solid

Project: 3027393

Sample: 2H/4H-2R

Results reported on a "dry-weight" basis Results Report Limit CAS No. **Parameters** Units DF Prepared Analyzed Qual **6010 MET ICP** Analytical Method EPA 6010B Preparation Method: EPA 3050 05/11/10 16 38 05/13/10 14.43 7429-90-5 Aluminum 9500 mg/kg 7.6 ND mg/kg 0.38 05/11/10 16:38 05/13/10 14:43 7440-36-0 Antimony 1 Arsenic 2.7 mg/kg 0.38 05/11/10 16:38 05/13/10 14:43 7440-38-2 05/11/10 16.38 05/13/10 14:43 7440-39-3 Barium 123 mg/kg 1.5 Beryllium 0.41 mg/kg 0.15 05/11/10 16:38 05/13/10 14:43 7440-41-7 3.8 05/11/10 16:38 05/13/10 14:43 7440-42-8 Boron 5.2 mg/kg Cadmium ND mg/kg 0 15 05/11/10 16:38 05/13/10 14.43 7440-43-9 Calcium 2230 mg/kg 151 05/11/10 16:38 05/13/10 14:43 7440-70-2 05/11/10 16:38 05/13/10 14:43 7440-47-3 Chromium 12.2 mg/kg 0.38 Cobalt 9.1 mg/kg 076 05/11/10 16 38 05/13/10 14.43 7440-48-4 1 0.76 05/11/10 16:38 05/13/10 14:43 7440-50-8 Copper 18.1 mg/kg Iron 20800 mg/kg 7.6 05/11/10 16:38 05/13/10 14:43 7439-89-6 05/11/10 16:38 05/13/10 14:43 7439-92-1 0.38 Lead ND mg/kg 1 Magnesium 3830 mg/kg 37.9 05/11/10 16:38 05/13/10 14:43 7439-95-4 05/11/10 16:38 05/13/10 14:43 7439-96-5 0.76 Manganese 249 mg/kg Molybdenum ND mg/kg 1.5 05/11/10 16.38 05/13/10 14:43 7439-98-7 05/11/10 16:38 05/13/10 14:43 7440-02-0 Nickel **17.1** mg/kg 1.5 Potassium 1370 mg/kg 37.9 05/11/10 16:38 05/13/10 14.43 7440-09-7 05/11/10 16.38 05/13/10 14:43 7782-49-2 ND mg/kg 0.38 Selenium Silver 0.16 mg/kg 0.15 05/11/10 16:38 05/13/10 14:43 7440-22-4 05/11/10 16 38 05/13/10 14:43 7440-23-5 379 Sodium ND mg/kg Thallium ND mg/kg 1.5 05/11/10 16.38 05/13/10 14:43 7440-28-0 0.76 05/11/10 16:38 05/13/10 14:43 7440-62-2 Vanadium 11.0 mg/kg 1 Zinc 46.1 mg/kg 0.76 05/11/10 16:38 05/13/10 14:43 7440-66-6 7471 Mercury Analytical Method: EPA 7471 Preparation Method: EPA 7471 Mercury ND mg/kg 0.10 8270 MSSV FULL LIST Analytical Method. EPA 8270 Preparation Method: EPA 3546 **MICROWAVE** 05/11/10 16.25 05/12/10 16:33 83-32-9 346 ND ug/kg Acenaphthene 05/11/10 16:25 05/12/10 16:33 208-96-8 Acenaphthylene ND ug/kg 346 346 05/11/10 16:25 05/12/10 16:33 120-12-7 Anthracene ND ug/kg 05/11/10 16 25 05/12/10 16:33 103-33-3 Azobenzene ND ug/kg 346 05/11/10 16 25 05/12/10 16:33 56-55-3 346 Benzo(a)anthracene ND ug/kg 346 05/11/10 16.25 05/12/10 16:33 50-32-8 Benzo(a)pyrene ND ug/kg 346 05/11/10 16:25 05/12/10 16 33 205-99-2 Benzo(b)fluoranthene ND ug/kg

Date: 05/14/2010 03:55 PM

4-Chloro-3-methylphenol

4-Bromophenylphenyl ether

Benzo(g,h,i)perylene

Benzo(k)fluoranthene

Butylbenzylphthalate

Benzoic acid

Carbazole

Benzyl alcohol

4-Chloroaniline

REPORT OF LABORATORY ANALYSIS

346

346

866

346

346

346

346

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346

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Page 11 of 86

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CABOT-EPA 006651

05/11/10 16.25 05/12/10 16:33 191-24-2

05/11/10 16 25 05/12/10 16:33 207-08-9

05/11/10 16:25 05/12/10 16 33 65-85-0

05/11/10 16:25 05/12/10 16:33 100-51-6

05/11/10 16 25 05/12/10 16:33 101-55-3

05/11/10 16 25 05/12/10 16:33 85-68-7

05/11/10 16:25 05/12/10 16:33 86-74-8

05/11/10 16.25 05/12/10 16 33 59-50-7

05/11/10 16.25 05/12/10 16:33 106-47-8



ANALYTICAL RESULTS

Project: a027393

Lab ID: 3027393003 Sample: 2H/4H-2R Collected: 05/10/10 12:50 Received 05/11/10 10:00 Matrix, Solid Results reported on a "dry-weight" basis DF CAS No. **Parameters** Results Units Report Limit Prepared Analyzed Qual 8270 MSSV FULL LIST Analytical Method: EPA 8270 Preparation Method. EPA 3546 **MICROWAVE** bis(2-Chloroethoxy)methane ND ug/kg 346 05/11/10 16:25 05/12/10 16:33 111-91-1 bis(2-Chloroethyl) ether ND ug/kg 346 05/11/10 16:25 05/12/10 16:33 111-44-4 bis(2-Chloroisopropyl) ether ND ug/kg 346 1 05/11/10 16:25 05/12/10 16:33 108-60-1 2-Chloronaphthalene ND ug/kg 346 1 05/11/10 16:25 05/12/10 16:33 91-58-7 ND ua/ka 346 05/11/10 16:25 05/12/10 16:33 95-57-8 2-Chlorophenol 4-Chlorophenylphenyl ether ND ug/kg 346 05/11/10 16:25 05/12/10 16:33 7005-72-3 346 1 05/11/10 16:25 05/12/10 16:33 218-01-9 Chrysene ND ug/kg Dibenz(a,h)anthracene ND ug/kg 346 1 05/11/10 16:25 05/12/10 16:33 53-70-3 ND ug/kg 346 05/11/10 16.25 05/12/10 16:33 132-64-9 Dibenzofuran 1 1.2-Dichlorobenzene ND ug/kg 346 1 05/11/10 16:25 05/12/10 16:33 95-50-1 1,3-Dichlorobenzene ND ug/kg 346 05/11/10 16:25 05/12/10 16:33 541-73-1 1.4-Dichlorobenzene ND ug/kg 346 05/11/10 16:25 05/12/10 16:33 106-46-7 3,3'-Dichlorobenzidine ND ug/kg 346 05/11/10 16:25 05/12/10 16:33 91-94-1 2,4-Dichlorophenol ND ug/kg 346 05/11/10 16:25 05/12/10 16:33 120-83-2 Diethylphthalate ND ug/kg 346 05/11/10 16:25 05/12/10 16:33 84-66-2 2,4-Dimethylphenol ND ug/kg 346 1 05/11/10 16:25 05/12/10 16:33 105-67-9 Dimethylphthalate ND ug/kg 346 05/11/10 16 25 05/12/10 16:33 131-11-3 Di-n-butylphthalate ND ug/kg 346 1 05/11/10 16:25 05/12/10 16:33 84-74-2 4,6-Dinitro-2-methylphenol ND ug/kg 866 1 05/11/10 16:25 05/12/10 16:33 534-52-1 2.4-Dinitrophenol ND ug/kg 866 05/11/10 16:25 05/12/10 16:33 51-28-5 2,4-Dinitrotoluene ND ug/kg 346 05/11/10 16:25 05/12/10 16:33 121-14-2 2.6-Dinitrotoluene ND ug/kg 346 1 05/11/10 16:25 05/12/10 16:33 606-20-2 Di-n-octylphthalate ND ug/kg 346 05/11/10 16:25 05/12/10 16:33 117-84-0 bis(2-Ethylhexyl)phthalate ND ug/kg 346 1 05/11/10 16:25 05/12/10 16 33 117-81-7 Fluoranthene ND ug/kg 346 05/11/10 16.25 05/12/10 16:33 206-44-0 Fluorene ND ug/kg 346 1 05/11/10 16:25 05/12/10 16:33 86-73-7 Hexachloro-1,3-butadiene ND ug/kg 346 05/11/10 16:25 05/12/10 16:33 87-68-3 Hexachlorobenzene ND ug/kg 346 05/11/10 16:25 05/12/10 16:33 118-74-1 05/11/10 16:25 05/12/10 16:33 77-47-4 Hexachlorocyclopentadiene ND ug/kg 346 Hexachloroethane ND ug/kg 346 1 05/11/10 16:25 05/12/10 16:33 67-72-1 05/11/10 16:25 05/12/10 16 33 193-39-5 Indeno(1,2,3-cd)pyrene ND ug/kg 346 1 Isophorone ND ug/kg 346 1 05/11/10 16.25 05/12/10 16 33 78-59-1 1-Methylnaphthalene ND ug/kg 346 05/11/10 16 25 05/12/10 16 33 90-12-0 346 05/11/10 16 25 05/12/10 16:33 91-57-6 2-Methylnaphthalene ND ug/kg 1 2-Methylphenol(o-Cresol) ND ug/kg 346 1 05/11/10 16:25 05/12/10 16 33 95-48-7 692 05/11/10 16:25 05/12/10 16:33 3&4-Methylphenol(m&p Cresol) ND ug/kg 1 Naphthalene ND ug/kg 346 05/11/10 16:25 05/12/10 16:33 91-20-3 866 05/11/10 16:25 05/12/10 16:33 88-74-4 2-Nitroaniline ND ug/kg 1 866 05/11/10 16:25 05/12/10 16:33 99-09-2 3-Nitroaniline ND ug/kg 05/11/10 16:25 05/12/10 16:33 100-01-6 4-Nitroaniline ND ug/kg 866 1 346 05/11/10 16:25 05/12/10 16:33 98-95-3 Nitrobenzene ND ug/kg 05/11/10 16:25 05/12/10 16:33 88-75-5 346 1 2-Nitrophenol ND ug/kg 4-Nitrophenol ND ug/kg 346 05/11/10 16:25 05/12/10 16:33 100-02-7 05/11/10 16:25 05/12/10 16:33 62-75-9 N-Nitrosodimethylamine ND ug/kg 346 1

Date: 05/14/2010 03.55 PM

N-Nitroso-di-n-propylamine

REPORT OF LABORATORY ANALYSIS

346

ND ug/kg

Page 12 of 86

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CABOT-EPA 006652

05/11/10 16 25 05/12/10 16 33 621-64-7



ANALYTICAL RESULTS

Project:

Pace Project No: 3027393

Sample: 2H/4H-2R	Lab ID: 30273930	003 Collected 05/10	/10 12.5	D Received 05	/11/10 10.00 N	Matrix: Solid	
Results reported on a "dry-weig		Indo Danadi ini	DE	Dronner	Anakasad	CACNA	0
Parameters	Results U	Jnits Report Limit	DF	Prepared	Analyzed -	CAS No.	- Qua
8270 MSSV FULL LIST MICROWAVE	Analytical Method. E	EPA 8270 Preparation M	ethod. EF	PA 3546			
N-Nitrosodiphenylamine	ND ug/kg	34	3 1	05/11/10 16:25	05/12/10 16:33	86-30-6	
Pentachlorophenol	ND ug/kg	86	3 1	05/11/10 16 25	05/12/10 16:33	87-86-5	
Phenanthrene	ND ug/kg	34	3 1	05/11/10 16:25	05/12/10 16:33	85-01-8	
Phenol	ND ug/kg	34	3 1	05/11/10 16:25	05/12/10 16:33	108-95-2	
Pyrene	ND ug/kg	34	3 1	05/11/10 16 25	05/12/10 16:33	129-00-0	
1,2,4-Trichlorobenzene	ND ug/kg	34	3 1	05/11/10 16:25	05/12/10 16:33	120-82-1	
2,4,5-Trichlorophenol	ND ug/kg	86	3 1	05/11/10 16:25	05/12/10 16:33	9 5-9 5 -4	
2,4,6-Trichlorophenol	ND ug/kg	34	3 1	05/11/10 16 25	05/12/10 16:33	88-06-2	
Nitrobenzene-d5 (S)	77 %	35-11	4 1	05/11/10 16:25	05/12/10 16:33	4165-60-0	
2-Fluorobiphenyl (S)	90 %	43-11	3 1	05/11/10 16:25	05/12/10 16:33	321-60-8	
Terphenyl-d14 (S)	109 %	33-14	1 1		05/12/10 16:33		
Phenol-d6 (S)	82 %	10-11	0 1	05/11/10 16:25	05/12/10 16.33	13127-88-3	
2-Fluorophenol (S)	74 %	21-11	0 1	05/11/10 16 ⁻ 25	05/12/10 16:33	367-12-4	
2,4,6-Tribromophenol (S)	101 %	10-12	3 1		05/12/10 16:33		
8260 MSV 5030 Low Level	Analytical Method. I	EPA 8260					
Acetone	25.4 ug/kg	8.	5 1		05/12/10 20:36	67-64-1	
Benzene	ND ug/kg	4.	2 1		05/12/10 20:36	71-43-2	
Bromochloromethane	ND ug/kg	4.	2 1		05/12/10 20:36	74-97-5	
Bromodichloromethane	ND ug/kg	4			05/12/10 20.36		
Bromoform	ND ug/kg	4.	2 1		05/12/10 20:36		
Bromomethane	ND ug/kg	4	2 1		05/12/10 20:36		
TOTAL BTEX	ND ug/kg	25.	4 1		05/12/10 20:36		
2-Butanone (MEK)	ND ug/kg	8.	5 1		05/12/10 20:36	78-93-3	
n-Butylbenzene	ND ug/kg	4	2 1		05/12/10 20:36	104-51-8	
sec-Butylbenzene	ND ug/kg	4.			05/12/10 20:36		
Carbon disulfide	ND ug/kg	4.			05/12/10 20.36		
Carbon tetrachloride	ND ug/kg	4.			05/12/10 20:36		
Chlorobenzene	ND ug/kg	4.			05/12/10 20:36		
Chloroethane	ND ug/kg	4.			05/12/10 20.36		
Chloroform	ND ug/kg	4.	2 1		05/12/10 20.36	67-66-3	
Chloromethane	ND ug/kg	4			05/12/10 20:36		
Dibromochloromethane	ND ug/kg	4.	2 1		05/12/10 20.36	124-48-1	
1,2-Dichlorobenzene	ND ug/kg	4			05/12/10 20.36		
1,3-Dichlorobenzene	ND ug/kg	4.			05/12/10 20:36		
1,4-Dichlorobenzene	ND ug/kg	4,			05/12/10 20:36		
1,1-Dichloroethane	ND ug/kg	4.			05/12/10 20:36		
1,2-Dichloroethane	ND ug/kg	4.			05/12/10 20.36		
1,2-Dichloroethene (Total)	ND ug/kg	8			05/12/10 20:36		
1,1-Dichloroethene	ND ug/kg	4			05/12/10 20:36		
cis-1,2-Dichloroethene	ND ug/kg	4			05/12/10 20 36		
trans-1,2-Dichloroethene	ND ug/kg	4			05/12/10 20.36		
1,2-Dichloropropane	ND ug/kg	4			05/12/10 20:36		
cis-1,3-Dichloropropene	ND ug/kg	4			05/12/10 20:36		
trans-1,3-Dichloropropene	ND ug/kg	4			05/12/10 20:36		

Date: 05/14/2010 03:55 PM

REPORT OF LABORATORY ANALYSIS

Page 13 of 86

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CABOT-EPA 006653



ANALYTICAL RESULTS

Project:

202720

Pace Project No.: 3027393

Sample: 2H/4H-2R	Lab ID: 3027393003	Collected 05/10/1	0 12:50	Received 0	5/11/10 10 00	Matrix: Solid	
Results reported on a "dry-weigh							_
Parameters	Results Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qua
8260 MSV 5030 Low Level	Analytical Method: EPA 826	60					
Ethylbenzene	ND ug/kg	4.2	1		05/12/10 20:36	3 100-41-4	
2-Hexanone	ND ug/kg	8 5	1		05/12/10 20:36	5 591-78-6	
Isopropylbenzene (Cumene)	ND ug/kg	4.2	1		05/12/10 20:36	98-82-8	
p-Isopropyltoluene	ND ug/kg	4.2	1		05/12/10 20:36	99-87-6	
Methylene Chloride	ND ug/kg	4.2	1		05/12/10 20:36	3 75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/kg	8.5	1		05/12/10 20:36	3 108-10-1	
Methyl-tert-butyl ether	ND ug/kg	4.2	1		05/12/10 20.36	6 1634-04-4	
Naphthalene	ND ug/kg	4.2	1		05/12/10 20 36	91-20-3	
n-Propylbenzene	ND ug/kg	4.2	1		05/12/10 20 36	3 10 3- 65 -1	
Styrene	ND ug/kg	4.2	1		05/12/10 20:36	5 100-42-5	
1,1,2,2-Tetrachloroethane	ND ug/kg	4.2	1		05/12/10 20:36	6 79-34-5	
Tetrachloroethene	ND ug/kg	4.2	1		05/12/10 20:38	6 127-18-4	
Toluene	ND ug/kg	4.2	1		05/12/10 20:38	5 108-88-3	
1,2,4-Trichlorobenzene	ND ug/kg	4.2	1		05/12/10 20:36	3 120-82-1	
1,1,1-Trichloroethane	ND ug/kg	4.2	1		05/12/10 20:30	3 71-55-6	
1,1,2-Trichloroethane	ND ug/kg	4.2	1		05/12/10 20.36	3 79-00-5	
Trichloroethene	ND ug/kg	4.2	1		05/12/10 20 30	5 79-01- 6	
1,2,4-Trimethylbenzene	ND ug/kg	4.2	1		05/12/10 20 30	95-63-6	
1,3,5-Trimethylbenzene	ND ug/kg	4.2	1		05/12/10 20:30	5 108-67-8	
Vinyl chloride	ND ug/kg	4.2	1		05/12/10 20:36	6 75 - 01 -4	
Xylene (Total)	ND ug/kg	12.7	1		05/12/10 20:30	6 1330-20-7	
m&p-Xylene	ND ug/kg	8.5	1		05/12/10 20:30	5 179601-23-1	
o-Xylene	ND ug/kg	42	1		05/12/10 20:30	6 95-47-6	
Toluene-d8 (S)	91 %	70-130	1		05/12/10 20 3	6 2037-26-5	
4-Bromofluorobenzene (S)	98 %	70-130	1		05/12/10 20 3	6 460-00-4	
1,2-Dichloroethane-d4 (S)	131 %	70-130	1		05/12/10 20:3	6 17060-07-0	S0
Percent Moisture	Analytical Method: ASTM D	2974-87					
Percent Moisture	5.6 %	0.10	1		05/12/10 14:5	9	
350.1 Ammonia	Analytical Method: EPA 356	0.1					
Nitrogen, Ammonia	ND mg/kg	4.8	1		05/12/10 15 2	3 7664-41-7	

Date. 05/14/2010 03 55 PM

REPORT OF LABORATORY ANALYSIS

Page 14 of 86

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CABOT-EPA 006654



ANALYTICAL RESULTS

Project⁻

Pace Project No.: 3027393

Sample: 2H/4H-2R ASTM	Lab ID: 302	27393004	Collected: 05/10/	10 12:50	Received: 0	5/11/10 10 00 N	latrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
5540C MBAS Surfactants	Analytical Me	thod: SM 554	10C					
Surfactants	ND m	ng/L	0 10	1		05/13/10 14.08		2c
4500 Chloride	Analytical Me	thod: SM 450	00-CI-E					
Chloride	ND m	ng/L	3.0	1		05/12/10 20:40	16887-00-6	

Date: 05/14/2010 03:55 PM

REPORT OF LABORATORY ANALYSIS

Page 15 of 86





CABOT-EPA 006655



ANALYTICAL RESULTS

Project: a027393

Pace Project No.: 3027393

Sample: 2H/4H-3R	Lab ID: 302	7393005	Collected: 05/10/	10 13:10	Received 05	/11/10 10.00 N	latrix: Solid	
Results reported on a "dry-weig	ht" basis							
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Met	nod. EPA 601	10B Preparation M	ethod: E	PA 3050			
Aluminum	12300 m	g/kg	9.7	1	05/11/10 16 ⁻ 38	05/13/10 14 ⁻ 46	7429-90-5	
Antimony	ND m	g/kg	0 49	1	05/11/10 16.38	05/13/10 14:46	7440-36-0	
Arsenic	2.2 m	g/kg	0 49	1	05/11/10 16:38	05/13/10 14:46	7440-38-2	
Barium	234 m	g/kg	1.9	1	05/11/10 16:38	05/13/10 14:46	7440-39-3	
Beryllium	0.73 m	g/kg	0.19	1	05/11/10 16:38	05/13/10 14:46	7440-41-7	
Boron	8.2 m	g/kg	4.9	1	05/11/10 16:38	05/13/10 14:46	7440-42-8	
Cadmium	ND m	g/kg	0 19	1	05/11/10 16.38	05/13/10 14 46	7440-43-9	
Calcium	2370 m	g/kg	195	1	05/11/10 16.38	05/13/10 14:46	7440-70-2	
Chromium	18.2 m	g/kg	0.49	1	05/11/10 16:38	05/13/10 14:46	7440-47-3	
Cobalt	11.4 m		0.97	1	05/11/10 16:38	05/13/10 14:46	7440-48-4	
Copper	17.9 m	g/kg	0.97	1	05/11/10 16:38	05/13/10 14:46	7440-50-8	
Iron	31600 m	g/kg	9.7	1	05/11/10 16:38	05/13/10 14:46	7439-89-6	
Lead	1.7 m		0 49	1	05/11/10 16 38	05/13/10 14:46	7439-92-1	
Magnesium	5270 m		48.7	1	05/11/10 16:38	05/13/10 14:46	7439-95-4	
Manganese	318 m		0.97	1		05/13/10 14:46		
Molybdenum	ND m		1.9	1		05/13/10 14:46		
Nickel	26.3 m		1.9	1		05/13/10 14.46		
Potassium	1810 m		48.7	1		05/13/10 14:46		
Selenium	ND m		0.49	1		05/13/10 14:46		
Silver	0.22 m		0.19	1		05/13/10 14:46		
Sodium	ND m		487	1		05/13/10 14:46		
Thallium	ND m	• •	1.9	1		05/13/10 14:46		
Vanadium	16.1 m		0 97	1		05/13/10 14:46		
Zinc	55.8 m		0.97	1		05/13/10 14:46		
		•				03/10/10 14:40	7440 00 0	
7471 Mercury	•		71 Preparation Me					
Mercury	ND m		0.11	1		05/13/10 11:17	7439-97-6	
8270 MSSV FULL LIST MICROWAVE	Analytical Met	hod: EPA 82	70 Preparation Me	thod: Ef	PA 3546			
Acenaphthene	ND u	ı/ka	347	1	05/11/10 16:25	05/12/10 16:55	83-32-9	
Acenaphthylene	ND u		347			05/12/10 16:55		
Anthracene	ND u		347			05/12/10 16 55		
Azobenzene	ND u		347			05/12/10 16·55		
Benzo(a)anthracene	ND u	-	347			05/12/10 16 55		
Benzo(a)pyrene	ND u	-	347			05/12/10 16:55		
Benzo(b)fluoranthene	ND u		347			05/12/10 16:55		
Benzo(g,h,i)perylene	ND u		347			05/12/10 16:55		
Benzo(k)fluoranthene	ND u		347			05/12/10 16 55		
Benzoic acid	ND u		867			05/12/10 16:55		
Benzyl alcohol	ND u		347			05/12/10 16:55		
•			347 347			05/12/10 16:55		
4-Bromophenylphenyl ether	ND u		347 347			05/12/10 16.55		
Butylbenzylphthalate	ND u							
Carbazole	ND u		347			05/12/10 16.55		
4-Chloro-3-methylphenol	ND u		347			05/12/10 16 55		
4-Chloroaniline	ND u	g/kg	347	1	05/11/10 16:25	05/12/10 16·55	106-47-8	

Date: 05/14/2010 03.55 PM

REPORT OF LABORATORY ANALYSIS

Page 16 of 86

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CABOT-EPA 006656



ANALYTICAL RESULTS

Project¹

Pace Project No.: 3027393 Sample: 2H/4H-3R Lab ID: 3027393005 Collected: 05/10/10 13:10 Received: 05/11/10 10:00 Matrix: Solid Results reported on a "dry-weight" basis Results Report Limit CAS No **Parameters** Units DF Prepared Analyzed Qua! 8270 MSSV FULL LIST Analytical Method: EPA 8270 Preparation Method: EPA 3546 **MICROWAVE** bis(2-Chloroethoxy)methane ND ug/kg 347 05/11/10 16:25 05/12/10 16:55 111-91-1 05/11/10 16:25 05/12/10 16:55 111-44-4 bis(2-Chloroethyl) ether 347 ND ug/kg 1 bis(2-Chloroisopropyl) ether ND ug/kg 347 05/11/10 16:25 05/12/10 16:55 108-60-1 2-Chloronaphthalene 347 05/11/10 16.25 05/12/10 16 55 91-58-7 ND ug/kg 2-Chlorophenol ND ug/kg 347 05/11/10 16.25 05/12/10 16.55 95-57-8 347 05/11/10 16:25 05/12/10 16:55 7005-72-3 4-Chlorophenylphenyl ether ND ug/kg ND ug/kg 347 05/11/10 16:25 05/12/10 16:55 218-01-9 Chrysene Dibenz(a,h)anthracene 347 05/11/10 16 25 05/12/10 16.55 53-70-3 ND ug/kg Dıbenzofuran ND ug/kg 347 05/11/10 16:25 05/12/10 16:55 132-64-9 1,2-Dichlorobenzene 347 05/11/10 16:25 05/12/10 16:55 95-50-1 ND ug/kg 1,3-Dichlorobenzene ND ug/kg 347 05/11/10 16:25 05/12/10 16.55 541-73-1 1,4-Dichlorobenzene ND ug/kg 347 05/11/10 16:25 05/12/10 16:55 106-46-7 3,3'-Dichlorobenzidine ND ug/kg 347 05/11/10 16:25 05/12/10 16:55 91-94-1 2,4-Dichlorophenol ND ug/kg 347 05/11/10 16:25 05/12/10 16:55 120-83-2 Diethylphthalate ND ug/kg 347 05/11/10 16:25 05/12/10 16:55 84-66-2 2,4-Dimethylphenol ND ug/kg 347 05/11/10 16:25 05/12/10 16:55 105-67-9 Dimethylphthalate ND ug/kg 347 05/11/10 16 25 05/12/10 16:55 131-11-3 Di-n-butylphthalate ND ug/kg 347 05/11/10 16:25 05/12/10 16.55 84-74-2 4,6-Dinitro-2-methylphenol ND ug/kg 867 05/11/10 16:25 05/12/10 16:55 534-52-1 2,4-Dinitrophenol ND ug/kg 867 05/11/10 16:25 05/12/10 16:55 51-28-5 2.4-Dinitrotoluene ND ug/kg 347 05/11/10 16.25 05/12/10 16.55 121-14-2 2,6-Dinitrotoluene ND ug/kg 347 05/11/10 16:25 05/12/10 16.55 606-20-2 347 Di-n-octylphthalate ND ug/kg 05/11/10 16:25 05/12/10 16:55 117-84-0 bis(2-Ethylhexyl)phthalate ND ug/kg 347 05/11/10 16:25 05/12/10 16 55 117-81-7 347 Fluoranthene ND ug/kg 05/11/10 16:25 05/12/10 16:55 206-44-0 Fluorene ND ug/kg 347 05/11/10 16:25 05/12/10 16:55 86-73-7 Hexachloro-1,3-butadiene ND ug/kg 347 05/11/10 16 25 05/12/10 16:55 87-68-3 Hexachlorobenzene ND ug/kg 347 05/11/10 16 25 05/12/10 16.55 118-74-1 Hexachlorocyclopentadiene ND ug/kg 347 05/11/10 16:25 05/12/10 16:55 77-47-4 Hexachloroethane ND ug/kg 347 05/11/10 16:25 05/12/10 16:55 67-72-1 347 05/11/10 16:25 05/12/10 16:55 193-39-5 Indeno(1,2,3-cd)pyrene ND ug/kg 347 Isophorone ND ug/kg 05/11/10 16:25 05/12/10 16:55 78-59-1 1-Methylnaphthalene 347 05/11/10 16:25 05/12/10 16:55 90-12-0 ND ug/kg 2-Methylnaphthalene ND ug/kg 347 05/11/10 16:25 05/12/10 16:55 91-57-6 347 2-Methylphenol(o-Cresol) ND ug/kg 05/11/10 16:25 05/12/10 16:55 95-48-7 3&4-Methylphenol(m&p Cresol) ND ug/kg 05/11/10 16:25 05/12/10 16:55 Nachthalene 05/11/10 16:25 05/12/10 16:55 91-20-3 ND ug/kg 347 2-Nitroaniline 05/11/10 16:25 05/12/10 16:55 88-74-4 ND ug/kg 867 3-Nitroaniline ND ug/kg 867 05/11/10 16:25 05/12/10 16:55 99-09-2 4-Nitroaniline ND ug/kg 867 05/11/10 16 25 05/12/10 16.55 100-01-6 Nitrobenzene 347 05/11/10 16:25 05/12/10 16:55 98-95-3 ND ug/kg 1 2-Nitrophenol ND ug/kg 347 05/11/10 16:25 05/12/10 16:55 88-75-5 4-Nitrophenol ND ug/kg 347 05/11/10 16:25 05/12/10 16:55 100-02-7 N-Nitrosodimethylamine ND ug/kg 347 05/11/10 16 25 05/12/10 16.55 62-75-9

N-Nitroso-di-n-propylamine

Date 05/14/2010 03:55 PM

REPORT OF LABORATORY ANALYSIS

347

ND ug/kg

Page 17 of 86

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CABOT-EPA 006657

05/11/10 16:25 05/12/10 16:55 621-64-7



ANALYTICAL RESULTS

Project.

Pace Project No.: 3027393

Sample: 2H/4H-3R	Lab ID: 3027	7393005	Collected:	05/10/1	0 13:10	Received. 05	/11/10 10:00 N	latrix: Solid	
Results reported on a "dry-weigi		Haita	Danad	6 laul6	DE	Dronorod	Amolymod	CAC No	Ouel
Parameters	Results —	Units	Report	Limit	DF	Prepared	Analyzed	CAS No	Qual
8270 MSSV FULL LIST MICROWAVE	Analytical Meth	nod EPA 8	270 Preparat	tion Meth	nod: EPA	3546			
N-Nitrosodiphenylamine	ND ug.	/kg		347	1	05/11/10 16:25	05/12/10 16:55	86-30-6	
Pentachlorophenol	ND ug.	/kg		867	1	05/11/10 16:25	05/12/10 16:55	87-86-5	
Phenanthrene	ND ug	/kg		347	1	05/11/10 16:25	05/12/10 16 55	85-01-8	
Phenol	ND ug	/kg		347	1	05/11/10 16:25	05/12/10 16:55	108-95-2	
Pyrene	ND ug	/kg		347	1	05/11/10 16:25	05/12/10 16:55	129-00-0	
1,2,4-Trichlorobenzene	ND ug	/kg		347	1	05/11/10 16:25	05/12/10 16:55	120-82-1	
2,4,5-Trichlorophenol	ND ug	/kg		867	1	05/11/10 16:25	05/12/10 16:55	95-95-4	
2,4,6-Trichlorophenol	ND ug	/kg		347	1	05/11/10 16:25	05/12/10 16:55	88-06-2	
Nitrobenzene-d5 (S)	75 %	=		35-114	1	05/11/10 16:25	05/12/10 16 55	4165-60-0	
2-Fluorobiphenyl (S)	98 %			43-116	1	05/11/10 16:25	05/12/10 16:55	321-60-8	
Terphenyl-d14 (S)	106 %		;	33-141	1	05/11/10 16:25	05/12/10 16:55	1718-51-0	
Phenol-d6 (S)	82 %			10-110	1	05/11/10 16:25	05/12/10 16:55	13127-88-3	
2-Fluorophenol (S)	87 %			21-110	1	05/11/10 16 25	05/12/10 16:55	367-12-4	
2,4,6-Tribromophenol (S)	99 %			10-123	1	05/11/10 16 25	05/12/10 16.55	118-79-6	
8260 MSV 5030 Low Level	Analytical Meth	nod EPA8	260						
Acetone	13.1 ug	/ka		89	1		05/12/10 21:01	67-64-1	
Benzene	ND ug	-		45	1		05/12/10 21:01		
Bromochloromethane	ND ug	-		4.5	1		05/12/10 21.01		
Bromodichloromethane	ND ug	_		4.5	1		05/12/10 21:01		
Bromoform	ND ug	•		4.5	1		05/12/10 21:01		
Bromomethane	ND ug	-		4.5	1		05/12/10 21:01		
TOTAL BTEX	ND ug	-		26.8	1		05/12/10 21:01		
2-Butanone (MEK)	ND ug	-		8.9	1		05/12/10 21:01	78-93-3	
n-Butylbenzene	ND ug	-		4.5	1		05/12/10 21:01		
sec-Butylbenzene	ND ug	-		4.5	1		05/12/10 21:01		
Carbon disulfide	ND ug	-		4.5	1		05/12/10 21:01		
Carbon tetrachloride	ND ug	-		4.5	1		05/12/10 21:01		
Chlorobenzene	ND ug	-		4.5	1		05/12/10 21:01		
Chloroethane	ND ug	_		4.5	1		05/12/10 21:01		
Chloroform	ND ug	-		4.5	1		05/12/10 21:01		
Chloromethane	_	•		4.5	1		05/12/10 21:01		
	ND ug	•							
Dibromochloromethane	ND ug			45	1		05/12/10 21.01		
1,2-Dichlorobenzene	ND ug			4 5 4.5	1		05/12/10 21:01		
1,3-Dichlorobenzene	ND ug				1		05/12/10 21:01		
1,4-Dichlorobenzene	ND ug	. •		4.5	1		05/12/10 21:01		
1,1-Dichloroethane	ND ug			4.5	1		05/12/10 21:01		
1,2-Dichloroethane	ND ug	-		4.5	1		05/12/10 21:01		
1,2-Dichloroethene (Total)	ND ug			8 9	1		05/12/10 21.01		
1,1-Dichloroethene	ND ug	-		4.5	1		05/12/10 21:01		
cis-1,2-Dichloroethene	ND ug			4.5	1		05/12/10 21:01		
trans-1,2-Dichloroethene	ND ug	· -		4.5	1		05/12/10 21:01		
1,2-Dichloropropane	ND ug	-		4.5	1		05/12/10 21:01		
cis-1,3-Dichloropropene	ND ug			4.5	1		05/12/10 21:01		
trans-1,3-Dichloropropene	ND ug	J/kg		4 5	1		05/12/10 21:01	10061-02-6	

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REPORT OF LABORATORY ANALYSIS

Page 18 of 86

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CABOT-EPA 006658



ANALYTICAL RESULTS

Project:

202720

Pace Project No.: 3027393

Sample: 2H/4H-3R	Lab ID: 3027393005	Collected 05/10/1	0 13:10	Received: 0	5/11/10 10 00 N	Matrix: Solid	
Results reported on a "dry-weigh	t" basis						
Parameters	Results Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qu
3260 MSV 5030 Low Level	Analytical Method: EPA 826	60					
Ethylbenzene	ND ug/kg	4.5	1		05/12/10 21 01	100-41-4	
2-Hexanone	ND ug/kg	8 9	1		05/12/10 21:01	591-78-6	
Isopropylbenzene (Cumene)	ND ug/kg	4.5	1		05/12/10 21:01	98-82-8	
p-Isopropyltoluene	ND ug/kg	4.5	1		05/12/10 21:01	99-87-6	
Methylene Chloride	ND ug/kg	4.5	1		05/12/10 21:01	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/kg	8.9	1		05/12/10 21:01	108-10-1	
Methyl-tert-butyl ether	ND ug/kg	4.5	1		05/12/10 21:01	1634-04-4	
Naphthalene	ND ug/kg	4.5	1		05/12/10 21:01	91-20-3	
n-Propylbenzene	ND ug/kg	4.5	1		05/12/10 21:01	103-65-1	
Styrene	ND ug/kg	4.5	1		05/12/10 21 01	100-42-5	
1,1,2,2-Tetrachloroethane	ND ug/kg	4 5	1		05/12/10 21:01	79-34-5	
Tetrachloroethene	ND ug/kg	4.5	1		05/12/10 21:01	127-18-4	
Toluene	ND ug/kg	4.5	1		05/12/10 21:01	108-88-3	
1,2,4-Trichlorobenzene	ND ug/kg	4 5	1		05/12/10 21:01	120-82-1	
1,1,1-Trichloroethane	ND ug/kg	4.5	1		05/12/10 21:01	71 -5 5-6	
1,1,2-Trichloroethane	ND ug/kg	4.5	1		05/12/10 21:01	79-00-5	
Trichloroethene	ND ug/kg	4.5	1		05/12/10 21:01	79-01-6	
1,2,4-Trimethylbenzene	ND ug/kg	4.5	1		05/12/10 21:01	95-63-6	
1,3,5-Trimethylbenzene	ND ug/kg	4.5	1		05/12/10 21:01	108-67-8	
Vinyl chloride	ND ug/kg	4.5	1		05/12/10 21:01	75-01-4	
Xylene (Total)	ND ug/kg	13 4	1		05/12/10 21:01	1330-20-7	
m&p-Xylene	ND ug/kg	8.9	1		05/12/10 21:01	179601-23-1	
o-Xylene	ND ug/kg	4.5	1		05/12/10 21:01	95-47-6	
Toluene-d8 (S)	88 %	70-130	1		05/12/10 21:01	2037-26-5	
4-Bromofluorobenzene (S)	100 %	70-130	1		05/12/10 21:01	460-00-4	
1,2-Dichloroethane-d4 (S)	137 %	70-130	1		05/12/10 21:01	17060-07-0	S 0
Percent Moisture	Analytical Method: ASTM D)2974-87					
Percent Moisture	5.0 %	0.10	1		05/12/10 15.01	I	
350.1 Ammonia	Analytical Method, EPA 356	0.1					
Nitrogen, Ammonia	ND mg/kg	4.7	1		05/12/10 15.23	3 7664-41-7	

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REPORT OF LABORATORY ANALYSIS

Page 19 of 86

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CABOT-EPA 006659



ANALYTICAL RESULTS

Project

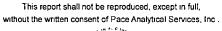
Pace Project No.: 3027393

Sample: 2H/4H-3R ASTM	Lab ID: 30	27393006	Collected: 05/10/1	0 13:10	Received: 05	5/11/10 10.00	Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
5540C MBAS Surfactants	Analytical Me	thod: SM 554	0C					
Surfactants	0.14 r	ng/L	0.10	1		05/13/10 14:0	8	2c
4500 Chloride	Analytical Me	thod. SM 450	0-CI-E					
Chloride	ND r	ng/L	3.0	1		05/12/10 20.4	0 16887-00-6	

Date. 05/14/2010 03:55 PM

REPORT OF LABORATORY ANALYSIS

Page 20 of 86





CABOT-EPA 006660



ANALYTICAL RESULTS

Project: a027393
Pace Project No: 3027393

Sample: 2H/4H-4R Lab ID: 3027393007 Collected: 05/10/10 13:40 Received: 05/11/10 10.00 Matrix: Solid

SO10 METICP Aluminum Antimony Arsenic Barium Beryllium Cadmium Calcium	12800 mg 0.56 mg 5.1 mg 118 mg 0.89 mg 9.4 mg ND mg	/kg /kg /kg /kg /kg	9.4 9.4 0.47 0.47 1.9 0.19	ethod. E 1 1 1	05/11/10 16 [.] 38 05/11/10 16 [.] 38	05/13/10 14 49 05/13/10 14:49		
Antimony Arsenic Barium Beryllium Boron Cadmium	0.56 mg 5.1 mg 118 mg 0.89 mg 9.4 mg ND mg	/kg /kg /kg /kg	0.47 0.47 1.9	1	05/11/10 16 [.] 38			
Arsenic Barium Beryllium Boron Cadmium	5.1 mg 118 mg 0.89 mg 9.4 mg ND mg	/kg /kg /kg	0.47 1.9			05/13/10 14:49	7440.00.0	
Barium Beryllium Boron Cadmium	118 mg 0.89 mg 9.4 mg ND mg	/kg /kg	1.9	1	05/11/10 16:39		/440-36-0	
Beryllium Boron Cadmium	0.89 mg 9.4 mg ND mg	/kg			00/11/10/10:38	05/13/10 14:49	7440-38-2	
Boron Cadmium	9.4 mg ND mg	-	0.10	1	05/11/10 16:38	05/13/10 14:49	7440-39-3	
Boron Cadmium	9.4 mg ND mg	-	0.10	1	05/11/10 16:38	05/13/10 14:49	7440-41-7	
	ND mg	/kg	4.7	1	05/11/10 16.38	05/13/10 14:49	7440-42-8	
alcum	2400	-	0.19	1	05/11/10 16:38	05/13/10 14:49	7440-43-9	
Jaioiui I I	3100 mg	/kg	188	1	05/11/10 16:38	05/13/10 14.49	7440-70-2	
Chromium	19.3 mg	_	0 47	1	05/11/10 16:38	05/13/10 14:49	7440-47-3	
Cobalt	19.6 mg	-	0 94	1	05/11/10 16 38	05/13/10 14:49	7440-48-4	
Copper	27.6 mg	-	0.94	1		05/13/10 14:49		
ron	37400 mg		9.4	1		05/13/10 14 49		
.ead	4.5 mg		0.47	1		05/13/10 14:49		
Magnesium	5550 mg	-	47.0	1		05/13/10 14:49		
Manganese	292 mg	-	0.94	i		05/13/10 14:49		
Molybdenum	ND mg	_	1.9	1		05/13/10 14:49		
Notybaeriam Nickel	32.4 mg	_	1.9	1		05/13/10 14.49		
Potassium	_	_	47.0	1		05/13/10 14:49		
	1890 mg	-	0.47	1		05/13/10 14:49		
Selenium	0.49 mg	•						
Silver	0.27 mg	•	0.19	1		05/13/10 14:49		
Sodium	ND mg	•	470	1		05/13/10 14:49		
hallium	ND mg		1.9	1		05/13/10 14:49		
/anadium	18.0 mg	•	0.94	1		05/13/10 14:49		
Zinc	57.4 mg	/kg	0.94	1	05/11/10 16 38	05/13/10 14:49	/440-66-6	
471 Mercury	Analytical Meth	od: EPA 747	1 Preparation Met	thod: El	PA 7471			
Mercury	ND mg	ı/kg	0.10	1	05/12/10 11:39	05/13/10 11:19	7439-97-6	
3270 MSSV FULL LIST MICROWAVE	Analytical Meth	od: EPA 827	0 Preparation Met	thod: El	PA 3546			
Acenaphthene	ND ug	/kg	341	1	05/11/10 16:25	05/12/10 17:18	83-32-9	
Acenaphthylene	ND ug	•	341	1		05/12/10 17:18		
Anthracene	ND ug	•	341	1		05/12/10 17:18		
Azobenzene	ND ug	•	341	1		05/12/10 17:18		
Benzo(a)anthracene	ND ug	-	341	1		05/12/10 17:18		
Benzo(a)pyrene	ND ug	-	341	1		05/12/10 17:18		
Benzo(b)fluoranthene	ND ug	-	341	1		05/12/10 17:18		
Benzo(g,h,i)perylene	ND ug	-	341	1		05/12/10 17:18		
	_	-	341	1		05/12/10 17:18		
Benzo(k)fluoranthene Benzoic acid	ND ug ND ug	•	853	1		05/12/10 17.18		
	-	-	341	1		05/12/10 17:18		
Benzyl alcohol	ND ug	-		1				
4-Bromophenylphenyl ether	ND ug	-	341	-		05/12/10 17:18		
Butylbenzylphthalate	ND ug	-	341	1		05/12/10 17:18		
Carbazole	ND ug	-	341	1		05/12/10 17:18		
4-Chloro-3-methylphenol 4-Chloroaniline	ND ug ND ug	-	341 341	1 1		05/12/10 17:18 05/12/10 17:18		

Date: 05/14/2010 03 55 PM

REPORT OF LABORATORY ANALYSIS

Page 21 of 86

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CABOT-EPA 006661



ANALYTICAL RESULTS

Project:

2007

Pace Project No.: 3027393

Sample: 2H/4H-4R	Lab ID: 3027	393007	Collected: 05/10/1	U 13·40	Received, 05	/11/10 10:00 N	latrix: Solid	
Results reported on a "dry-weight	" basis							
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qua
8270 MSSV FULL LIST MICROWAVE	Analytical Meth	od: EPA 82	270 Preparation Meth	nod EP.	A 3546			
bis(2-Chloroethoxy)methane	ND ug/	kg	341	1	05/11/10 16.25	05/12/10 17:18	111-91-1	
bis(2-Chloroethyl) ether	ND ug/	kg	341	1	05/11/10 16 25	05/12/10 17:18	111-44-4	
bis(2-Chloroisopropyl) ether	ND ug/	kg	341	1	05/11/10 16:25	05/12/10 17:18	108-60-1	
2-Chloronaphthalene	ND ug/	-	341	1	05/11/10 16:25	05/12/10 17:18	91-58-7	
2-Chlorophenol	ND ug/	-	341	1	05/11/10 16:25	05/12/10 17:18	95-57-8	
4-Chlorophenylphenyl ether	ND ug/	-	341	1	05/11/10 16:25	05/12/10 17:18	7005-72-3	
Chrysene	ND ug/	-	341	1	05/11/10 16 25	05/12/10 17:18	218-01-9	
Dibenz(a,h)anthracene	ND ug/	-	341	1	05/11/10 16.25	05/12/10 17:18	53-70-3	
Dibenzofuran	ND ug/	-	341	1		05/12/10 17:18		
1,2-Dichlorobenzene	ND ug/	-	341	1		05/12/10 17:18		
1,3-Dichlorobenzene	ND ug/	-	341	1		05/12/10 17:18		
1,4-Dichlorobenzene	ND ug/		341	1		05/12/10 17:18		
3,3'-Dichlorobenzidine	ND ug/	-	341	1		05/12/10 17:18		
2,4-Dichlorophenol	ND ug/	-	341	1		05/12/10 17:18		
Diethylphthalate	ND ug/	-	341	1		05/12/10 17:18		
2,4-Dimethylphenol	ND ug/	•	341	1		05/12/10 17:18		
Dimethylphthalate	ND ug	•	341	1		05/12/10 17:18		
Di-n-butylphthalate	ND ug	_	341	1		05/12/10 17:18		
4,6-Dinitro-2-methylphenol	ND ug	-	853	1		05/12/10 17:18		
• •	•	•	853	1		05/12/10 17:18		
2,4-Dinitrophenol	ND ug	-	341	1		05/12/10 17.18		
2,4-Dinitrotoluene	ND ug	-		1				
2,6-Dinitrotoluene	ND ug	_	341	1		05/12/10 17.18		
Di-n-octylphthalate	ND ug.	-	341			05/12/10 17:18		
bis(2-Ethylhexyl)phthalate	ND ug.	-	341	1		05/12/10 17:18		
Fluoranthene	ND ug.	•	341	1		05/12/10 17:18		
Fluorene	ND ug.	-	341	1		05/12/10 17:18		
Hexachloro-1,3-butadiene	ND ug.	-	341	1		05/12/10 17:18		
Hexachlorobenzene	ND ug.	-	341	1		05/12/10 17:18		
Hexachlorocyclopentadiene	ND ug	-	341	1		05/12/10 17:18		
Hexachloroethane	ND ug	-	341	1		05/12/10 17.18		
Indeno(1,2,3-cd)pyrene	ND ug	-	341	1		05/12/10 17.18		
Isophorone	ND ug	_	341	1		05/12/10 17:18		
1-Methylnaphthalene	ND ug	_	341	1		05/12/10 17:18		
2-Methylnaphthalene	ND ug	•	341	1		05/12/10 17:18		
2-Methylphenol(o-Cresol)	ND ug	-	341	1		05/12/10 17:18		
3&4-Methylphenol(m&p Cresol)	ND ug	/kg	682	1	05/11/10 16·25	05/12/10 17:18		
Naphthalene	ND ug	/kg	341	1	05/11/10 16:25	05/12/10 17:18	91-20-3	
2-Nitroaniline	ND ug	/kg	853	1		05/12/10 17:18		
3-Nitroaniline	ND ug	/kg	853	1		05/12/10 17:18		
4-Nitroaniline	ND ug	/kg	853	1	05/11/10 16 25	05/12/10 17.18	100-01-6	
Nitrobenzene	ND ug	/kg	341	1	05/11/10 16.25	05/12/10 17:18	98-95-3	
2-Nitrophenol	ND ug	/kg	341	1	05/11/10 16.25	05/12/10 17:18	88-75-5	
4-Nitrophenol	ND ug	/kg	341	1	05/11/10 16:25	05/12/10 17:18	100-02-7	
N-Nitrosodimethylamine	ND ug	_	341	1	05/11/10 16:25	05/12/10 17:18	62-75-9	
N-Nitroso-di-n-propylamine	ND ug	•	341	1	05/11/10 16.25	05/12/10 17:18	621-64-7	

Date: 05/14/2010 03:55 PM

REPORT OF LABORATORY ANALYSIS

Page 22 of 86

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CABOT-EPA 006662



ANALYTICAL RESULTS

Project:

Pace Project No.: 3027393

Sample: 2H/4H-4R	Lab ID: 302739300	O7 Collected: 05/10/	10 13:40	Received: 05	/11/10 10:00	Matrix: Solid	
Results reported on a "dry-weig							
Parameters	Results Ur	its Report Limit	DF	Prepared	Analyzed	CAS No.	Qu
8270 MSSV FULL LIST MICROWAVE	Analytical Method: El	PA 8270 Preparation Met	hod: EP	A 3546			
N-Nitrosodiphenylamine	ND ug/kg	341	1	05/11/10 16.25	05/12/10 17:18	86-30-6	
Pentachiorophenol	ND ug/kg	853	1	05/11/10 16 25	05/12/10 17.18	87-86-5	
Phenanthrene	ND ug/kg	341	1	05/11/10 16:25	05/12/10 17:18	85-01-8	
Phenol	ND ug/kg	341	1	05/11/10 16:25	05/12/10 17:18	108-95-2	
Pyrene	ND ug/kg	341	1	05/11/10 16 25	05/12/10 17.18	129-00-0	
1,2,4-Trichlorobenzene	ND ug/kg	341	1	05/11/10 16:25	05/12/10 17:18	120-82-1	
2,4,5-Trichlorophenol	ND ug/kg	853	1	05/11/10 16:25	05/12/10 17:18	95-95-4	
2,4,6-Trichlorophenol	ND ug/kg	341	1	05/11/10 16.25	05/12/10 17.18	88-06-2	
Nitrobenzene-d5 (S)	84 %	35-114	1	05/11/10 16:25	05/12/10 17:18	4165-60-0	
2-Fluorobiphenyl (S)	94 %	43-116	1	05/11/10 16·25	05/12/10 17:18	321-60-8	
Terphenyl-d14 (S)	116 %	33-141	1	05/11/10 16·25	05/12/10 17.18	1718-51-0	
Phenol-d6 (S)	85 %	10-110	1	05/11/10 16:25	05/12/10 17:18	3 13127-88-3	
2-Fluorophenol (S)	85 %	21-110	1	05/11/10 16·25	05/12/10 17:18	367-12-4	
2,4,6-Tribromophenol (S)	106 %	10-123	1	05/11/10 16 25	05/12/10 17.18	3 118-79-6	
8260 MSV 5030 Low Level	Analytical Method: E	PA 8260					
Acetone	20.0 ug/kg	9.7	1		05/12/10 21.25	67-64-1	
Benzene	ND ug/kg	4.9	1		05/12/10 21:25	5 71-43-2	
Bromochloromethane	ND ug/kg	49	1		05/12/10 21:25	5 74-97-5	
Bromodichloromethane	ND ug/kg	4.9	1		05/12/10 21:25	5 75-27-4	
Bromoform	ND ug/kg	4.9	1		05/12/10 21:2	5 75-25-2	
Bromometha ne	ND ug/kg	4 9	1		05/12/10 21:25	5 74 -8 3-9	
TOTAL BTEX	ND ug/kg	29.1	1		05/12/10 21:25	5	
2-Butanone (MEK)	ND ug/kg	9.7	1		05/12/10 21:25	5 78-93-3	
n-Butylbenzene	ND ug/kg	4.9	1		05/12/10 21:2		
sec-Butylbenzene	ND ug/kg	4.9	1		05/12/10 21:2	5 135-98-8	
Carbon disulfide	ND ug/kg	4.9	1		05/12/10 21:25		
Carbon tetrachloride	ND ug/kg	4.9	1		05/12/10 21:2		
Chlorobenzene	ND ug/kg	4.9	1		05/12/10 21:2		
Chloroethane	ND ug/kg	4.9	1		05/12/10 21:2		
Chloroform	ND ug/kg	4.9	1		05/12/10 21:2		
Chloromethane	ND ug/kg	4.9	1		05/12/10 21:2		
Dibromochloromethane	ND ug/kg	4.9	1		05/12/10 21:2		
1,2-Dichlorobenzene	ND ug/kg	4.9	1		05/12/10 21:2		
1,3-Dichlorobenzene	ND ug/kg	4.9	1		05/12/10 21:2:		
1,4-Dichlorobenzene	ND ug/kg	4.9	1		05/12/10 21:2		
1,1-Dichloroethane	ND ug/kg	4.9	1		05/12/10 21:2:		
1,2-Dichloroethane	ND ug/kg	4.9	1		05/12/10 21:2		
1,2-Dichloroethene (Total)	ND ug/kg	9.7	1		05/12/10 21:2		
1,1-Dichloroethene	ND ug/kg	4.9	1		05/12/10 21:2		
cis-1,2-Dichloroethene	ND ug/kg	4.9	1		05/12/10 21:2		
trans-1,2-Dichloroethene	ND ug/kg	4.9			05/12/10 21:2:		
1,2-Dichloropropane	ND ug/kg	4.9	1		05/12/10 21:2		
cis-1,3-Dichloropropene	ND ug/kg	4.9	1			5 10061-01-5	
trans-1,3-Dichloropropene	ND ug/kg	4.9	1		05/12/10 21:2	5 10061-02-6	

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REPORT OF LABORATORY ANALYSIS

Page 23 of 86

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CABOT-EPA 006663



Pace Analytical Services, Inc.

1638 Roseytown Road - Suites 2,3,4 Greensburg, PA 15601

(724)850-5600

ANALYTICAL RESULTS

Project:

Pace Project No.: 3027393

Lab ID: 3027393007	Collected 05/10/1	0 13.40	Received. 0	05/11/10 10 00	Matrix: Solid	
basis						
Results Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Analytical Method. EPA 826	30					
ND ug/kg	4.9	1		05/12/10 21:2:	5 100-41-4	
ND ug/kg	97	1		05/12/10 21:2:	5 591-78-6	
ND ug/kg	49	1		05/12/10 21:2:	5 98-82-8	
ND ug/kg	49	1		05/12/10 21:2:	5 99-87-6	
ND ug/kg	4.9	1		05/12/10 21:2:	5 75-09-2	
ND ug/kg	9.7	1		05/12/10 21:2	5 108-10-1	
ND ug/kg	4.9	1		05/12/10 21:2:	5 1634-04-4	
ND ug/kg	4.9	1		05/12/10 21:2	5 91-20-3	
ND ug/kg	4.9	1		05/12/10 21:2	5 103-65-1	
ND ug/kg	4.9	1		05/12/10 21:2:	5 100-42-5	
ND ug/kg	4.9	1		05/12/10 21:2	5 79-34-5	
ND ug/kg	4.9	1		05/12/10 21:2	5 127-18-4	
ND ug/kg	4.9	1		05/12/10 21.2	5 108-88- 3	
ND ug/kg	4.9	1		05/12/10 21:2	5 120-82-1	
ND ug/kg	4.9	1		05/12/10 21:2	5 71-55-6	
ND ug/kg	4.9	1		05/12/10 21:2	5 79-00-5	
ND ug/kg	4 9	1		05/12/10 21:2	5 79-01-6	
ND ug/kg	4.9	1		05/12/10 21:2	5 95-63-6	
ND ug/kg	4.9	1		05/12/10 21:2	5 108-67-8	
ND ug/kg	4.9	1		05/12/10 21:2	5 75-01-4	
ND ug/kg	14.6	1		05/12/10 21:2	5 1330-20-7	
ND ug/kg	9.7	1		05/12/10 21:2	5 179601-23-1	
ND ug/kg	4.9	1		05/12/10 21:2	5 95-47-6	
88 %	70-130	1		05/12/10 21:2	5 2037-26-5	
100 %	70-130	1		05/12/10 21:2	5 460-00-4	
132 %	70-130	1		05/12/10 21:2	5 17060-07-0	S0
Analytical Method: ASTM D	2974-87					
5.0 %	0.10	1		05/12/10 15.0	1	
Analytical Method: EPA 350	0.1					
	Results Units Analytical Method. EPA 826 ND ug/kg ND ug	Results Units Report Limit Analytical Method. EPA 8260 ND ug/kg 4.9 ND ug/kg 9.7 ND ug/kg 4.9 ND ug/kg 4.9 ND ug/kg 4.9 ND ug/kg 9.7 ND ug/kg 4.9 ND ug/kg	Results	Analytical Method. EPA 8260 ND ug/kg	Results Units Report Limit DF Prepared Analyzed Analytical Method. EPA 8260 ND ug/kg 4.9 1 05/12/10 21:2:	Results Units Report Limit DF Prepared Analyzed CAS No. Analytical Method. EPA 8260 ND ug/kg 4.9 1 05/12/10 21:25 591-78-6 ND ug/kg 4.9 1 05/12/10 21:25 591-78-6 ND ug/kg 4.9 1 05/12/10 21:25 98-82-8 ND ug/kg 4.9 1 05/12/10 21:25 99-87-6 ND ug/kg 4.9 1 05/12/10 21:25 99-87-6 ND ug/kg 4.9 1 05/12/10 21:25 108-10-1 ND ug/kg 4.9 1 05/12/10 21:25 108-10-1 ND ug/kg 4.9 1 05/12/10 21:25 10634-04-4 ND ug/kg 4.9 1 05/12/10 21:25 1034-04-4 ND ug/kg 4.9 1 05/12/10 21:25 1034-04-4 ND ug/kg 4.9 1 05/12/10 21:25 103-65-1 ND ug/kg 4.9 1 05/12/10 21:25 103-65-1 ND ug/kg 4.9 1 05/12/10 21:25 100-42-5 ND ug/kg 4.9 1 05/12/10 21:25 100-42-5 ND ug/kg 4.9 1 05/12/10 21:25 100-42-5 ND ug/kg 4.9 1 05/12/10 21:25 100-42-5 ND ug/kg 4.9 1 05/12/10 21:25 108-88-3 ND ug/kg 4.9 1 05/12/10 21:25 108-88-3 ND ug/kg 4.9 1 05/12/10 21:25 108-88-3 ND ug/kg 4.9 1 05/12/10 21:25 79-00-5 ND ug/kg 4.9 1 05/12/10 21:25 79-00-5 ND ug/kg 4.9 1 05/12/10 21:25 79-00-6 ND ug/kg 4.9 1 05/12/10 21:25 79-00-6 ND ug/kg 4.9 1 05/12/10 21:25 79-00-6 ND ug/kg 4.9 1 05/12/10 21:25 79-00-6 ND ug/kg 4.9 1 05/12/10 21:25 79-00-6 ND ug/kg 4.9 1 05/12/10 21:25 79-00-6 ND ug/kg 4.9 1 05/12/10 21:25 79-00-6 ND ug/kg 4.9 1 05/12/10 21:25 79-00-6 ND ug/kg 4.9 1 05/12/10 21:25 79-00-6 ND ug/kg 4.9 1 05/12/10 21:25 79-00-6 ND ug/kg 4.9 1 05/12/10 21:25 75-01-4 ND

Date: 05/14/2010 03:55 PM

REPORT OF LABORATORY ANALYSIS

Page 24 of 86

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CABOT-EPA 006664



ANALYTICAL RESULTS

Project:

Pace Project No.: 3027393

Sample: 2H/4H-4R ASTM	Lab ID: 302	27393008	Collected 05/10/	10 13:40	Received: 0	5/11/10 10.00 N	latrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No	Qual
5540C MBAS Surfactants	Analytical Met	thod. SM 554	10C					
Surfactants	ND m	ıg/L	0.10	1		05/13/10 14.08		2 c
4500 Chloride	Analytical Met	thod: SM 450	00-CI-E					
Chloride	ND m	ng/L	30	1		05/12/10 20:41	16887-00-6	

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REPORT OF LABORATORY ANALYSIS

Page 25 of 86

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CABOT-EPA 006665



Pace Analytical Services, Inc.

1638 Roseytown Road - Suites 2,3,4 Greensburg, PA 15601

(724)850-5600

ANALYTICAL RESULTS

Project: 3027393

Sample: 2H/4H-5R	Lab ID: 3027	393009	Collected:	05/10/1	0 14:15	Received 0	5/11/10 10:00	Matrix: Solid	
Results reported on a "dry-weigi	ht" basis								
Parameters	Results	Units	Repor	t Limit	DF	Prepared	Analyzed	CAS No.	Qua
6010 MET ICP	Analytical Meth	od: EPA 601	0B Prepar	ation Me	thod: El	PA 3050			
Aluminum	13000 mg	/kg		8.3	1	05/11/10 16:38	05/13/10 14:5	2 7429-90-5	
Antimony	ND mg	-		0 41	1	05/11/10 16:38	05/13/10 14:5	2 7440-36-0	
Arsenic	1.9 mg			0 41	1	05/11/10 16:38	05/13/10 14:5	2 7440-38-2	
3arium	166 mg	-		1.7	1		05/13/10 14:5		
Beryllium	0.90 mg	•		0.17	1		05/13/10 14:5		
Boron	9.1 mg	_		4.1	1	05/11/10 16.38	05/13/10 14:5	2 7440-42-8	
Cadmium	ND mg	•		0 17	1		05/13/10 14:5		
Calcium	1750 mg			165	1		05/13/10 14:5		
Chromium	18.9 mg	-		0.41	1		05/13/10 14:5		
Cobalt	11.4 mg	-		0.83	1		05/13/10 14:5		
Copper	15.6 mg			0 83	1		05/13/10 14:5		
ron	34900 mg			8.3	1		05/13/10 14:5		
_ead	1.4 mg	_		0 41	1		05/13/10 14:5		
Magnesium	5460 mg	-		41.3	1		05/13/10 14:5		
Manganese	298 mg	-		0.83	1		05/13/10 14:5		
Violybdenum	ND mg	_		1.7	1		05/13/10 14:5		
Nickel	29.4 mg			1.7	1		3 05/13/10 14.5		
Potassium	1830 mg			41.3	1		3 05/13/10 14:5		
Selenium	ND mg	_		0.41	1		05/13/10 14:5		
Silver	0.33 mg	_		0.41	1		05/13/10 14:5		
Sodium	ND mg	•		413	1		05/13/10 14:5		
Thalkum	ND mg	•		1.7	1		3 05/13/10 14:5		
√anadium	15.7 mg			0.83	1		3 05/13/10 14:5		
Zinc	59.5 mg	•		0.83	1		3 05/13/10 14:5		
7471 Mercury	Analytical Meth	od: EPA 747	1 Prepara	tion Meth	nod: EP/	A 7471			
Mercury	ND mg	ı/kg		0 10	1	05/12/10 11:39	05/13/10 11:2	1 7439-97-6	
8270 MSSV FULL LIST MICROWAVE	Analytical Meth	od. EPA 827	'0 Prepara	tion Metl	hod: EP/	A 3546			
Acenaphthene	ND ug	/ka		349	1	05/11/10 16:2	5 05/12/10 17.4	1 83-32-9	
Acenaphthylene	ND ug	•		349	1		5 05/12/10 17.4		
Anthracene	ND ug	•		349	1		5 05/12/10 17:4		
Azobenzene	ND ug	-		349	1		5 05/12/10 17:4		
Benzo(a)anthracene	ND ug	•		349	1		5 05/12/10 17:4		
Benzo(a)pyrene	ND ug	•		349	1		5 05/12/10 17:4		
Benzo(b)fluoranthene	ND ug	•		349	1		05/12/10 17:4		
Benzo(g,h,i)perylene	ND ug	-		349	1		5 05/12/10 17:4		
Benzo(k)fluoranthene	ND ug	-		349	1		5 05/12/10 17:4		
Benzoic acid	ND ug	_		872	1		5 05/12/10 17:4		
Benzyl alcohol	ND ug.	_		349	1		5 05/12/10 17:4		
4-Bromophenylphenyl ether	ND ug			349	1		5 05/12/10 17:4 5 05/12/10 17:4		
Butylbenzylphthalate	-	-		349	1		5 05/12/10 17:4 5 05/12/10 17:4		
Butylbenzylphthalate Carbazole	ND ug	•		349 349	1		5		
	ND ug	•		349 349					
4-Chloro-3-methylphenol	ND ug	•			1		5 05/12/10 17:4		
4-Chloroaniline	ND ug	/kg		349	1	05/11/10 16:2	5 05/12/10 17:4	1 106-47-8	

Date: 05/14/2010 03 55 PM REPORT OF LABORATORY ANALYSIS

Page 26 of 86

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CABOT-EPA 006666



ANALYTICAL RESULTS

Project.

Pace Project No: 3027393

Sample: 2H/4H-5R Lab ID: 3027393009 Collected: 05/10/10 14:15 Received. 05/11/10 10 00 Matrix: Solid Results reported on a "dry-weight" basis **Parameters** Results Units Report Limit DF Prepared Analyzed CAS No. Qual 8270 MSSV FULL LIST Analytical Method: EPA 8270 Preparation Method: EPA 3546 **MICROWAVE** 05/11/10 16:25 05/12/10 17:41 111-91-1 bis(2-Chloroethoxy)methane ND ug/kg 349 ND ug/kg bis(2-Chloroethyl) ether 349 1 05/11/10 16:25 05/12/10 17:41 111-44-4 bis(2-Chloroisopropyl) ether ND ug/kg 349 05/11/10 16 25 05/12/10 17:41 108-60-1 2-Chloronaphthalene ND ug/kg 349 05/11/10 16:25 05/12/10 17:41 91-58-7 2-Chloropheno! ND ug/kg 349 05/11/10 16:25 05/12/10 17.41 95-57-8 4-Chlorophenylphenyl ether ND ug/kg 349 05/11/10 16:25 05/12/10 17.41 7005-72-3 Chrysene ND ug/kg 349 05/11/10 16:25 05/12/10 17:41 218-01-9 Dibenz(a,h)anthracene ND ug/kg 349 05/11/10 16.25 05/12/10 17:41 53-70-3 349 05/11/10 16 25 05/12/10 17:41 132-64-9 Dibenzofuran ND ug/kg 1.2-Dichlorobenzene ND ug/kg 349 05/11/10 16:25 05/12/10 17:41 95-50-1 ND ug/kg 349 05/11/10 16:25 05/12/10 17:41 541-73-1 1.3-Dichlorobenzene 1,4-Dichlorobenzene ND ug/kg 349 05/11/10 16:25 05/12/10 17.41 106-46-7 349 05/11/10 16:25 05/12/10 17 41 91-94-1 3,3'-Dichlorobenzidine ND ug/kg 2,4-Dichlorophenol ND ug/kg 349 05/11/10 16:25 05/12/10 17:41 120-83-2 ND ug/kg 349 05/11/10 16:25 05/12/10 17:41 84-66-2 Diethylphthalate 2,4-Dimethylphenol ND ug/kg 349 05/11/10 16:25 05/12/10 17:41 105-67-9 Dimethylphthalate ND ug/kg 349 05/11/10 16:25 05/12/10 17:41 131-11-3 1 05/11/10 16:25 05/12/10 17:41 84-74-2 Di-n-butylphthalate ND ug/kg 349 ND ug/kg 872 05/11/10 16:25 05/12/10 17:41 534-52-1 4,6-Dinitro-2-methylphenol ND ug/kg 05/11/10 16:25 05/12/10 17:41 51-28-5 2,4-Dinitrophenol 872 2.4-Dinitrotoluene ND ug/kg 349 05/11/10 16 25 05/12/10 17:41 121-14-2 1 2,6-Dinitrotoluene ND ug/kg 349 05/11/10 16.25 05/12/10 17:41 606-20-2 Di-n-octylphthalate ND ug/kg 349 05/11/10 16 25 05/12/10 17:41 117-84-0 bis(2-Ethylhexyl)phthalate ND ug/kg 349 05/11/10 16:25 05/12/10 17:41 117-81-7 ND ug/kg 349 05/11/10 16:25 05/12/10 17:41 206-44-0 Fluoranthene Fluorene ND ug/kg 349 05/11/10 16:25 05/12/10 17:41 86-73-7 Hexachloro-1,3-butadiene ND ug/kg 349 Hexachlorobenzene ND ug/kg 349 05/11/10 16:25 05/12/10 17:41 118-74-1 349 05/11/10 16:25 05/12/10 17.41 77-47-4 Hexachlorocyclopentadiene ND ug/kg Hexachloroethane ND ug/kg 349 05/11/10 16:25 05/12/10 17.41 67-72-1 Indeno(1,2,3-cd)pyrene 05/11/10 16:25 05/12/10 17:41 193-39-5 ND ug/kg 349 ND ug/kg 349 05/11/10 16:25 05/12/10 17.41 78-59-1 Isophorone 1-Methylnaphthalene ND ug/kg 349 05/11/10 16:25 05/12/10 17:41 90-12-0 2-Methylnaphthalene ND ug/kg 349 05/11/10 16:25 05/12/10 17:41 91-57-6 2-Methylphenol(o-Cresol) ND ug/kg 349 05/11/10 16:25 05/12/10 17:41 95-48-7 3&4-Methylphenol(m&p Cresol) ND ug/kg 697 05/11/10 16:25 05/12/10 17:41 Naphthalene ND ug/kg 349 1 05/11/10 16:25 05/12/10 17:41 91-20-3 2-Nitroaniline ND ug/kg 872 05/11/10 16:25 05/12/10 17:41 88-74-4 3-Nitroaniline ND ug/kg 872 05/11/10 16:25 05/12/10 17:41 99-09-2 4-Nitroaniline ND ug/kg 872 05/11/10 16 25 05/12/10 17:41 100-01-6 ND ug/kg Nitrobenzene 349 05/11/10 16.25 05/12/10 17:41 98-95-3 2-Nitrophenol ND ug/kg 349 05/11/10 16:25 05/12/10 17:41 88-75-5 ND ug/kg 4-Nitrophenol 349 05/11/10 16:25 05/12/10 17.41 100-02-7

N-Nitroso-di-n-propylamine

Date: 05/14/2010 03:55 PM

N-Nitrosodimethylamine

REPORT OF LABORATORY ANALYSIS

349

349

ND ug/kg

ND ug/kg

Page 27 of 86

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CABOT-EPA 006667

05/11/10 16:25 05/12/10 17:41 62-75-9

05/11/10 16:25 05/12/10 17:41 621-64-7



ANALYTICAL RESULTS

Project⁻

Pace Project No.: 3027393

Sample: 2H/4H-5R	Lab ID: 30273	93009 Collected	: 05/10/10	14:15	Received: 05	/11/10 10.00 I	Matrix. Solid	
Results reported on a "dry-weig								
Parameters	Results	Units Repo	ort Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FÜLL LIST MICROWAVE	Analytical Method	d: EPA 8270 Prepara	ation Meth	od EPA	3546			
N-Nitrosodiphenylamine	ND ug/kg	3	349	1	05/11/10 16:25	05/12/10 17:41	86-30-6	
Pentachlorophenol	ND ug/k)	872	1	05/11/10 16.25	05/12/10 17:41	l 87-86-5	
Phenanthrene	ND ug/kg	3	349	1	05/11/10 16:25	05/12/10 17:41	85-01-8	
Phenol	ND ug/k	3	349	1	05/11/10 16:25	05/12/10 17:41	1 108-95-2	
Pyrene	ND ug/kg		349	1	05/11/10 16 25	05/12/10 17:41	I 129-00-0	
1,2,4-Trichlorobenzene	ND ug/kg	3	349	1	05/11/10 16.25	05/12/10 17:41	120-82-1	
2,4,5-Trichlorophenol	ND ug/kg	3	872	1	05/11/10 16:25	05/12/10 17:41	95-95-4	
2,4,6-Trichlorophenoi	ND ug/kg	3	349	1	05/11/10 16:25	05/12/10 17:41	1 88-06-2	
Nitrobenzene-d5 (S)	85 %		35-114	1	05/11/10 16.25	05/12/10 17:41	1 4165-60-0	
2-Fluorobiphenyl (S)	110 %		43-116	1	05/11/10 16:25	05/12/10 17:41	1 321-60- 8	
Terphenyl-d14 (S)	114 %		33-141	1	05/11/10 16:25	05/12/10 17.41	1 1718-51-0	
Phenol-d6 (S)	93 %		10-110	1	05/11/10 16 25	05/12/10 17:41	1 13127-88-3	
2-Fluorophenol (S)	98 %		21-110	1	05/11/10 16:25	05/12/10 17:41	1 367-12-4	
2,4,6-Tribromophenol (S)	115 %		10-123	1	05/11/10 16:25	05/12/10 17.41	1 118-79-6	
8260 MSV 5030 Low Level	Analytical Metho	d: EPA 8260						
Acetone	33.0 ug/kg	2	8.4	1		05/12/10 21:49	9 67-64-1	
Benzene	ND ug/k		4.2	1		05/12/10 21:49		
Bromochloromethane	ND ug/k		4.2	1		05/12/10 21:49		
Bromodichloromethane	ND ug/k	•	4.2	1		05/12/10 21:49		
Bromoform	ND ug/k	•	4.2	1		05/12/10 21:49		
Bromomethane	ND ug/k	·	4.2	1		05/12/10 21:49		
TOTAL BTEX	ND ug/k	•	25.3	1		05/12/10 21:49		
2-Butanone (MEK)	ND ug/k		8.4	1		05/12/10 21:49		
n-Butylbenzene	ND ug/k	-	4.2	1		05/12/10 21:49		
sec-Butylbenzene	ND ug/k	-	4.2	1		05/12/10 21:49		
Carbon disulfide	ND ug/k	•	4.2	1		05/12/10 21:49		
Carbon tetrachloride	ND ug/k	•	4.2	1		05/12/10 21:49		
Chlorobenzene	ND ug/k	_	4.2	i		05/12/10 21:49		
Chloroethane	ND ug/k	-	4.2	1		05/12/10 21:49		
Chloroform	•	-	4.2	1				
	ND ug/k	-	4.2 4.2	1		05/12/10 21:49		
Chloromethane	ND ug/k	-				05/12/10 21:49		
Dibromochloromethane	ND ug/k	•	4.2 4.2	1 1		05/12/10 21:49		
1,2-Dichlorobenzene	ND ug/k	-				05/12/10 21:49		
1,3-Dichlorobenzene	ND ug/k	_	4.2	1		05/12/10 21:49		
1,4-Dichlorobenzene	ND ug/k	•	42	1		05/12/10 21:49		
1,1-Dichloroethane	ND ug/k	-	4.2	1		05/12/10 21:49		
1,2-Dichloroethane	ND ug/k	=	4.2	1		05/12/10 21:49		
1,2-Dichloroethene (Total)	ND ug/k	-	8.4	1		05/12/10 21:49		
1,1-Dichloroethene	ND ug/k	_	4.2	1		05/12/10 21:49		
cis-1,2-Dichloroethene	ND ug/k	_	4.2	1		05/12/10 21:49		
trans-1,2-Dichloroethene	ND ug/k	=	4.2	1		05/12/10 21:49		
1,2-Dichloropropane	ND ug/k	_	4.2	1		05/12/10 21:49		
cis-1,3-Dichloropropene	ND ug/k	_	4.2	1		05/12/10 21:49		
trans-1,3-Dichloropropene	ND ug/k	g	4.2	1		05/12/10 21:49	9 10061-02-6	

Date 05/14/2010 03:55 PM

REPORT OF LABORATORY ANALYSIS

Page 28 of 86

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CABOT-EPA 006668



ANALYTICAL RESULTS

Project:

Pace Project No.: 3027393

Sample: 2H/4H-5R	Lab ID: 3027393009	Collected: 05/10/10	14:15	Received: 05/11/10 10:00 Matrix: Solid	
Results reported on a "dry-weight"	basis				
Parameters	Results Units	Report Limit	DF	Prepared Analyzed CAS No.	Qual
8260 MSV 5030 Low Level	Analytical Method: EPA 826	60			
Ethylbenzene	ND ug/kg	4.2	1	05/12/10 21 49 100-41-4	
2-Hexanone	ND ug/kg	8.4	1	05/12/10 21.49 591-78-6	
Isopropylbenzene (Cumene)	ND ug/kg	4.2	1	05/12/10 21:49 98-82-8	
p-Isopropyltoluene	ND ug/kg	4.2	1	05/12/10 21:49 99-87-6	
Methylene Chloride	ND ug/kg	42	1	05/12/10 21:49 75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/kg	8.4	1	05/12/10 21:49 108-10-1	
Methyl-tert-butyl ether	ND ug/kg	4.2	1	05/12/10 21:49 1634-04-4	
Naphthalene	ND ug/kg	4.2	1	05/12/10 21:49 91-20-3	
n-Propylbenzene	ND ug/kg	4.2	1	05/12/10 21:49 103-65-1	
Styrene	ND ug/kg	4.2	1	05/12/10 21:49 100-42-5	
1,1,2,2-Tetrachloroethane	ND ug/kg	4.2	1	05/12/10 21:49 79-34-5	
Tetrachloroethene	ND ug/kg	4.2	1	05/12/10 21.49 127-18-4	
Toluene	ND ug/kg	4.2	1	05/12/10 21:49 108-88-3	
1,2,4-Trichlorobenzene	ND ug/kg	4.2	1	05/12/10 21:49 120-82-1	
1,1,1-Trichloroethane	ND ug/kg	4.2	1	05/12/10 21:49 71-55-6	
1,1,2-Trichloroethane	ND ug/kg	42	1	05/12/10 21:49 79-00-5	
Trichloroethene	ND ug/kg	4.2	1	05/12/10 21:49 79-01-6	
1,2,4-Trimethylbenzene	ND ug/kg	4.2	1	05/12/10 21:49 95-63-6	
1,3,5-Trimethylbenzene	ND ug/kg	4.2	1	05/12/10 21:49 108-67-8	
Vinyl chloride	ND ug/kg	42	1	05/12/10 21:49 75-01-4	
Xylene (Total)	ND ug/kg	12 6	1	05/12/10 21:49 1330-20-7	
m&p-Xylene	ND ug/kg	8.4	1	05/12/10 21:49 179601-23	-1
o-Xylene	ND ug/kg	4.2	1	05/12/10 21:49 95-47-6	
Toluene-d8 (S)	90 %	70-130	1	05/12/10 21:49 2037-26-5	
4-Bromofluorobenzene (S)	101 %	70-130	1	05/12/10 21:49 460-00-4	
1,2-Dichloroethane-d4 (S)	129 %	70-130	1	05/12/10 21:49 17060-07-0)
Percent Moisture	Analytical Method: ASTM [02974-87			
Percent Moisture	5.4 %	0.10	1	05/12/10 15:00	
350.1 Ammonia	Analytical Method: EPA 35	0.1			
Nitrogen, Ammonia	6.3 mg/kg	4.8	1	05/12/10 15:25 7664-41-7	

Date: 05/14/2010 03 55 PM

REPORT OF LABORATORY ANALYSIS

Page 29 of 86

CABOT-EPA 006669





ANALYTICAL RESULTS

Project:

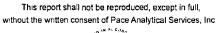
Pace Project No.: 3027393

Sample: 2H/4H-5R ASTM	Lab ID: 302	7393010	Collected: 0	5/10/10	14:15	Received. 05	5/11/10 10: 0 0	Matrix: Water	
Parameters	Results	Units	Report L	imit	DF	Prepared	Analyzed	CAS No.	Qual
5540C MBAS Surfactants	Analytical Meth	nod [.] SM 5540	C						
Surfactants	ND mg	g/L		0.10	1		05/13/10 14:0	3	2c
4500 Chloride	Analytical Meth	nod: SM 4500	D-CI-E						
Chloride	ND mg	g/L		3.0	1		05/12/10 20:4	2 16887-00-6	

Date: 05/14/2010 03:55 PM

REPORT OF LABORATORY ANALYSIS

Page 30 of 86





CABOT-EPA 006670



ANALYTICAL RESULTS

Project.

Pace Project No · 3027393

Collected: 05/10/10 14:35 Received: 05/11/10 10:00 Sample: 2H/4H-6R Lab ID: 3027393011 Matrix: Solid Results reported on a "dry-weight" basis Results Units Report Limit CAS No. Qual Parameters DF Prepared Analyzed 6010 MET ICP Analytical Method. EPA 6010B Preparation Method: EPA 3050 05/11/10 16:38 05/13/10 14:55 7429-90-5 Aluminum 11400 mg/kg 7.6 Antimony ND mg/kg 0.38 05/11/10 16:38 05/13/10 14:55 0.38 05/11/10 16 38 05/13/10 14:55 7440-38-2 Arsenic 1.6 mg/kg Barium 148 mg/kg 1.5 05/11/10 16.38 05/13/10 14:55 7440-39-3 05/11/10 16:38 05/13/10 14:55 7440-41-7 Beryllium 0.15 0.64 mg/kg Boron 7.9 mg/kg 38 05/11/10 16.38 05/13/10 14:55 7440-42-8 ND mg/kg 05/11/10 16:38 05/13/10 14:55 7440-43-9 0.15 Cadmium Calcium 3510 mg/kg 152 05/11/10 16:38 05/13/10 14:55 7440-70-2 15.9 mg/kg 0 38 05/11/10 16.38 05/13/10 14:55 7440-47-3 Chromium 1 Cobalt 9.8 mg/kg 0.76 05/11/10 16:38 05/13/10 14:55 7440-48-4 0.76 05/11/10 16:38 05/13/10 14.55 7440-50-8 5.9 mg/kg Copper Iron 29100 mg/kg 76 05/11/10 16.38 05/13/10 14:55 7439-89-6 0.89 mg/kg 0.38 05/11/10 16:38 05/13/10 14:55 7439-92-1 Lead 1 Magnesium 4680 mg/kg 38.0 05/11/10 16:38 05/13/10 14.55 7439-95-4 317 mg/kg 0.76 05/11/10 16:38 05/13/10 14:55 7439-96-5 Manganese Molybdenum ND mg/kg 1.5 05/11/10 16:38 05/13/10 14 55 7439-98-7 23.1 mg/kg Nickel 1.5 05/11/10 16 38 05/13/10 14:55 7440-02-0 Potassium 1780 mg/kg 38.0 05/11/10 16:38 05/13/10 14:55 7440-09-7 ND mg/kg Selenium 0.38 05/11/10 16:38 05/13/10 14.55 7782-49-2 Silver 0.17 mg/kg 0.15 05/11/10 16.38 05/13/10 14:55 7440-22-4 Sodium 380 05/11/10 16:38 05/13/10 14:55 7440-23-5 ND mg/kg Thallium ND mg/kg 1.5 05/11/10 16.38 05/13/10 14.55 7440-28-0 Vanadium 15.5 mg/kg 0.76 05/11/10 16.38 05/13/10 14:55 7440-62-2 05/11/10 16:38 05/13/10 14.55 7440-66-6 Zinc 50.0 mg/kg 0.76 7471 Mercury Analytical Method: EPA 7471 Preparation Method: EPA 7471 05/12/10 11:39 05/13/10 11:22 7439-97-6 Mercury ND mg/kg 0.10 1 8270 MSSV FULL LIST Analytical Method: EPA 8270 Preparation Method: EPA 3546 **MICROWAVE** Acenaphthene ND ug/kg 357 05/11/10 16:25 05/12/10 18.04 83-32-9 Acenaphthylene ND ug/kg 357 05/11/10 16.25 05/12/10 18:04 208-96-8 Anthracene ND ug/kg 357 05/11/10 16:25 05/12/10 18:04 120-12-7 1 Azobenzene ND ug/kg 357 05/11/10 16:25 05/12/10 18.04 103-33-3 Benzo(a)anthracene ND ug/kg 357 05/11/10 16:25 05/12/10 18:04 56-55-3 Benzo(a)pyrene ND ug/kg 357 05/11/10 16:25 05/12/10 18:04 50-32-8 Benzo(b)fluoranthene ND ug/kg 357 05/11/10 16:25 05/12/10 18.04 205-99-2 Benzo(g,h,i)perylene ND ug/kg 357 05/11/10 16:25 05/12/10 18.04 191-24-2 Benzo(k)fluoranthene ND ug/kg 357 05/11/10 16.25 05/12/10 18:04 207-08-9 Benzoic acid ND ug/kg 893 05/11/10 16.25 05/12/10 18:04 65-85-0 Benzyl alcohol ND ug/kg 357 05/11/10 16:25 05/12/10 18 04 100-51-6

Date: 05/14/2010 03.55 PM

4-Chloro-3-methylphenol

4-Bromophenylphenyl ether

Butylbenzylphthalate

Carbazole

4-Chloroaniline

REPORT OF LABORATORY ANALYSIS

357

357

357

357

357

Page 31 of 86

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ND ug/kg

ND ug/kg

ND ug/kg

ND ug/kg

ND ug/kg



CABOT-EPA 006671

05/11/10 16 25 05/12/10 18:04 101-55-3

05/11/10 16 25 05/12/10 18:04 85-68-7

05/11/10 16.25 05/12/10 18.04 86-74-8

05/11/10 16:25 05/12/10 18 04 59-50-7

05/11/10 16.25 05/12/10 18:04 106-47-8



ANALYTICAL RESULTS

Project:

Pace Project No.: 3027393

Sample: 2H/4H-6R	Lab ID: 3027;	393011	Collected:	05/10/1	10 14:35	Received: 0	5/11/10 10:00	Matrix. Solid	
Results reported on a "dry-weight Parameters	Results	Units	Repor	t Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE	Analytical Metho	od: EPA 82	70 Preparat	ion Met	hod: EPA	3546			
bis(2-Chloroethoxy)methane	ND ug/k	g		357	1	05/11/10 16:25	05/12/10 18:0	4 111-91-1	
bis(2-Chloroethyl) ether	ND ug/k	g		357	1	05/11/10 16:25	05/12/10 18:04	111-44-4	
bis(2-Chloroisopropyl) ether	ND ug/k	g		357	1	05/11/10 16:25	05/12/10 18:04	4 108-60-1	
2-Chloronaphthalene	ND ug/k	g		357	1	05/11/10 16:25	05/12/10 18:04	4 91-58-7	
2-Chlorophenol	ND ug/k	g		357	1	05/11/10 16:25	05/12/10 18:04	4 95-57-8	
4-Chlorophenylphenyl ether	ND ug/k	(g		357	1	05/11/10 16:25	05/12/10 18:04	4 7005-72-3	
Chrysene	ND ug/k	g		357	1		05/12/10 18:04		
Dibenz(a,h)anthracene	ND ug/k	_		357	1		05/12/10 18:0		
Dibenzofuran	ND ug/k	_		357	1		05/12/10 18:0		
1,2-Dichlorobenzene	ND ug/k	•		357	1		05/12/10 18.0		
1,3-Dichlorobenzene	ND ug/k	•		357	1		05/12/10 18 04		
1,4-Dichlorobenzene	ND ug/k	-		357	1		05/12/10 18.04		
3,3'-Dichlorobenzidine	ND ug/k	-		357	1		05/12/10 18 0		
2,4-Dichlorophenol	ND ug/k	-		357	1		05/12/10 18.0		
Diethylphthalate	ND ug/k	-		357	i		05/12/10 18:0		
2,4-Dimethylphenol	ND ug/k	-		357	1		05/12/10 18:0		
Dimethylphthalate	ND ug/k	-		357	1		05/12/10 18:0		
Di-n-butylphthalate	ND ug/k	•		357	1		05/12/10 18:0		
4,6-Dinitro-2-methylphenol	ND ug/k			893	1		05/12/10 18.0		
2,4-Dinitrophenol	ND ug/k			893	1		05/12/10 18.0		
2,4-Dinitrotoluene	ND ug/k	•		357	1				
2,6-Dinitrotoluene	ND ug/k	•		357	1		05/12/10 18 0		
Di-n-octylphthalate	ND ug/k	•		357	1		05/12/10 18.0		
bis(2-Ethylhexyl)phthalate	ND ug/k	-		357	1		05/12/10 18 0		
Fluoranthene	_	-					05/12/10 18.0		
Fluorene	ND ug/k	-		357	1		05/12/10 18:0		
	ND ug/k	•		357	1		05/12/10 18:0		
Hexachloro-1,3-butadiene	ND ug/k	-		357	1		05/12/10 18:0		
Hexachlorobenzene	ND ug/k			357	1		05/12/10 18:0		
Hexachlorocyclopentadiene	ND ug/k	_		357	1		05/12/10 18:0		
Hexachloroethane	ND ug/k	•		357	1		05/12/10 18.0		
Indeno(1,2,3-cd)pyrene	ND ug/k	-		357	1		05/12/10 18.0		
Isophorone	ND ug/k			357	1		05/12/10 18 0		
1-Methylnaphthalene	ND ug/k	-		357	1		05/12/10 18 0		
2-Methylnaphthalene	ND ug/k	-		357	1		05/12/10 18.0		
2-Methylphenol(o-Cresol)	ND ug/k	•		357	1		05/12/10 18.0		
3&4-Methylphenol(m&p Cresol)	ND ug/k	-		714	1		05/12/10 18:0		
Naphthalene	ND ug/k	-		357	1		05/12/10 18:0		
2-Nitroaniline	ND ug/k	•		893	1		05/12/10 18:0		
3-Nitroaniline	ND ug/k	_		893	1		05/12/10 18:0		
4-Nitroaniline	ND ug/k			893	1	05/11/10 16:25	05/12/10 18:0	4 100-01-6	
Nitrobenzene	ND ug/k	-		357	1		05/12/10 18:0		
2-Nitrophenol	ND ug/k	•	•	357	1	05/11/10 16:25	05/12/10 18:04	4 88-75-5	
4-Nitrophenol	ND ug/k	g		357	1	05/11/10 16:25	05/12/10 18:04	4 100-02-7	
N-Nitrosodimethylamine	ND ug/k	-		357	1	05/11/10 16:25	05/12/10 18.0	4 62-75-9	
N-Nitroso-di-n-propylamine	ND ug/k	(g		357	1	05/11/10 16:25	05/12/10 18.04	4 621-64-7	

Date: 05/14/2010 03:55 PM

REPORT OF LABORATORY ANALYSIS

Page 32 of 86

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CABOT-EPA 006672



ANALYTICAL RESULTS

Project:

00070

Pace Project No.: 3027393

Sample: 2H/4H-6R Lab ID: 3027393011 Collected: 05/10/10 14:35 Received. 05/11/10 10.00 Matrix: Solid Results reported on a "dry-weight" basis **Parameters** Results Units Report Limit DF Prepared Analyzed CAS No. Qual 8270 MSSV FULL LIST Analytical Method: EPA 8270 Preparation Method EPA 3546 MICROWAVE 05/11/10 16.25 05/12/10 18 04 86-30-6 N-Nitrosodiphenylamine ND ug/kg 357 ND ug/kg 893 05/11/10 16 25 05/12/10 18:04 87-86-5 Pentachlorophenol 1 Phenanthrene ND ug/kg 357 05/11/10 16:25 05/12/10 18:04 85-01-8 ND ug/kg Phenol 357 05/11/10 16:25 05/12/10 18:04 108-95-2 Pyrene ND ug/kg 357 05/11/10 16:25 05/12/10 18:04 129-00-0 1,2,4-Trichlorobenzene ND ug/kg 357 05/11/10 16:25 05/12/10 18:04 120-82-1 2,4,5-Trichlorophenol ND ug/kg 893 05/11/10 16:25 05/12/10 18 04 95-95-4 2,4,6-Trichlorophenol ND ug/kg 357 05/11/10 16.25 05/12/10 18.04 88-06-2 35-114 05/11/10 16:25 05/12/10 18.04 4165-60-0 Nitrobenzene-d5 (S) 84 % 100 % 43-116 05/11/10 16:25 05/12/10 18:04 321-60-8 2-Fluorobiphenyl (S) 33-141 05/11/10 16:25 05/12/10 18:04 1718-51-0 Terphenyl-d14 (S) 111 % Phenol-d6 (S) 83 % 10-110 05/11/10 16:25 05/12/10 18:04 13127-88-3 2-Fluorophenol (S) 88 % 21-110 05/11/10 16:25 05/12/10 18:04 367-12-4 2,4,6-Tribromophenol (S) 104 % 10-123 05/11/10 16:25 05/12/10 18 04 118-79-6 8260 MSV 5030 Low Level Analytical Method: EPA 8260 05/12/10 22:13 67-64-1 Acetone 47.2 ug/kg 8.6 Benzene ND ug/kg 43 1 05/12/10 22:13 71-43-2 Bromochloromethane ND ug/kg 4.3 05/12/10 22:13 74-97-5 05/12/10 22:13 75-27-4 Bromodichloromethane ND ug/kg 43 1 Bromoform ND ug/kg 4.3 05/12/10 22.13 75-25-2 Bromomethane ND ug/kg 43 1 05/12/10 22:13 74-83-9 05/12/10 22:13 TOTAL BTEX ND ug/kg 25.8 2-Butanone (MEK) ND ug/kg 8.6 05/12/10 22:13 78-93-3 05/12/10 22:13 104-51-8 n-Butylbenzene ND ug/kg 4.3 sec-Butvibenzene ND ug/kg 4.3 1 05/12/10 22:13 135-98-8 05/12/10 22:13 75-15-0 Carbon disulfide ND ug/kg 4.3 Carbon tetrachloride ND ug/kg 4.3 05/12/10 22:13 56-23-5 ND ug/kg 05/12/10 22:13 108-90-7 Chlorobenzene 4.3 Chloroethane ND ug/kg 43 05/12/10 22:13 75-00-3 ND ug/kg 05/12/10 22:13 67-66-3 Chloroform 4.3 Chloromethane ND ug/kg 4.3 05/12/10 22:13 74-87-3 ND ug/kg 05/12/10 22:13 124-48-1 Dibromochloromethane 4.3 ND ug/kg 4.3 05/12/10 22:13 95-50-1 1,2-Dichlorobenzene ND ug/kg 05/12/10 22:13 541-73-1 1.3-Dichlorobenzene 4.3 1.4-Dichlorobenzene ND ug/kg 4.3 05/12/10 22:13 106-46-7 ND ug/kg 4.3 05/12/10 22:13 75-34-3 1.1-Dichloroethane 1.2-Dichloroethane ND ug/kg 4.3 05/12/10 22:13 107-06-2 ND ug/kg 8.6 05/12/10 22.13 540-59-0 1,2-Dichloroethene (Total) ND ug/kg 05/12/10 22:13 75-35-4 1.1-Dichloroethene 43 cis-1,2-Dichloroethene ND ug/kg 43 05/12/10 22:13 156-59-2 4.3 05/12/10 22:13 156-60-5 trans-1,2-Dichloroethene ND ug/kg ND ug/kg 4.3 05/12/10 22:13 78-87-5 1,2-Dichloropropane ND ug/kg 05/12/10 22:13 10061-01-5 cis-1.3-Dichloropropene 4.3 trans-1,3-Dichloropropene ND ug/kg 4.3 05/12/10 22:13 10061-02-6

Date 05/14/2010 03 55 PM

REPORT OF LABORATORY ANALYSIS

Page 33 of 86

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CABOT-EPA 006673



ANALYTICAL RESULTS

Project:

Pace Project No.: 3027393

Sample: 2H/4H-6R	Lab ID: 3027393011	Collected: 05/10/1	0 14:35	Received. 0	5/11/10 10 00	Matrix: Solid	
Results reported on a "dry-weigh	ıt" basis						
Parameters	Results Unit	s Report Limit	DF	Prepared	Analyzed	CAS No.	Qua
8260 MSV 5030 Low Level	Analytical Method: EPA	8260					
Ethylbenzene	ND ug/kg	4.3	1		05/12/10 22:1	3 100-41-4	
2-Hexanone	ND ug/kg	8.6	1		05/12/10 22:1	3 591-78-6	
Isopropylbenzene (Cumene)	ND ug/kg	4.3	1		05/12/10 22:1	3 98-82-8	
p-Isopropyltoluene	ND ug/kg	4 3	1		05/12/10 22:1	3 99-87-6	
Methylene Chloride	ND ug/kg	4.3	1		05/12/10 22:1	3 75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/kg	8.6	1		05/12/10 22:1	3 108-10-1	
Methyl-tert-butyl ether	ND ug/kg	43	1		05/12/10 22:1	3 1634-04-4	
Naphthalene	ND ug/kg	4.3	1		05/12/10 22:1	3 91-20-3	
n-Propylbenzene	ND ug/kg	4.3	1		05/12/10 22 1	3 103-65-1	
Styrene	ND ug/kg	43	1		05/12/10 22.1	3 100-42-5	
1,1,2,2-Tetrachloroethane	ND ug/kg	4.3	1		05/12/10 22:1	3 79-34-5	
Tetrachloroethene	ND ug/kg	4.3	1		05/12/10 22:1	3 127-18-4	
Toluene	ND ug/kg	4 3	1		05/12/10 22.1	3 108-88-3	
1,2,4-Trichlorobenzene	ND ug/kg	4.3	1		05/12/10 22:1	3 120-82-1	
1,1,1-Trichloroethane	ND ug/kg	4.3	1		05/12/10 22:1	3 71-55-6	
1,1,2-Trichloroethane	ND ug/kg	4 3	1		05/12/10 22.1	3 79-00-5	
Trichloroethene	ND ug/kg	4.3	1		05/12/10 22:1	3 79-01-6	
1,2,4-Trimethylbenzene	ND ug/kg	4.3	1		05/12/10 22 1	3 9 5-63-6	
1,3,5-Trimethylbenzene	ND ug/kg	43	1		05/12/10 22:1	3 108-67-8	
Vinyl chloride	ND ug/kg	4 3	1		05/12/10 22:1	3 75-01-4	
Xylene (Total)	ND ug/kg	12.9	1		05/12/10 22:1	3 1330-20-7	
m&p-Xylene	ND ug/kg	86	1		05/12/10 22:1	3 179601-23-1	
o-Xylene	ND ug/kg	4.3	1		05/12/10 22:1	3 95-47-6	
Toluene-d8 (S)	90 %	70-130	1		05/12/10 22 1	3 2037-26-5	
4-Bromofluorobenzene (S)	103 %	70-130	1		05/12/10 22:1		
1,2-Dichloroethane-d4 (S)	135 %	70-130	1			3 17060-07-0	S0
Percent Moisture	Analytical Method: AS	ГМ D2974-87					
Percent Moisture	B.7 %	0.10	1		05/12/10 15 [.] 0	0	
350.1 Ammonia	Analytical Method: EP/	A 350.1					
Nitrogen, Ammonia	6.1 mg/kg	5.4	1		05/12/10 15:2	6 7664-41-7	

Date: 05/14/2010 03:55 PM

REPORT OF LABORATORY ANALYSIS

Page 34 of 86

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CABOT-EPA 006674



ANALYTICAL RESULTS

Project.

302730

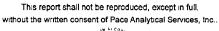
Pace Project No.: 3027393

Sample: 2H/4H-6R ASTM	Lab ID: 302	27393012	Collected: 05/10/	10 14:35	Received: 05	5/11/10 10:00 M	latrıx. Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
5540C MBAS Surfactants	Analytical Me	thod: SM 5540	oc					
Surfactants	ND m	ng/L	0.10	1		05/13/10 14:08		2c
4500 Chloride	Analytical Me	thod: SM 450	0-CI-E					
Chloride	ND m	ng/L	3.0	1		05/12/10 20.42	16887-00-6	

Date 05/14/2010 03:55 PM

REPORT OF LABORATORY ANALYSIS

Page 35 of 86





CABOT-EPA 006675



ANALYTICAL RESULTS

Project:

Pace Project No: 3027393

Sample: 2H/4H-7R	Lab ID: 302	7393013	Collected: 05/10	/10 14:5	5 Received. 05	6/11/10 10:00 N	latrix: Solid	
Results reported on a "dry-weig Parameters	nt" basis Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qua
6010 MET ICP	Analytical Meth	od: EPA 601	10B Preparation N	Method. I	EPA 3050	-,		
Aluminum	9900 mg	/kg	8.2	1	05/11/10 16 38	05/13/10 14:58	7429-90-5	
Antimony	ND mg	/kg	0.4	1	05/11/10 16:38	05/13/10 14:58	7440-36-0	
Arsenic	19.2 mg	ı/kg	0.4	1	05/11/10 16:38	05/13/10 14:58	7440-38-2	
Banum	148 mg	/kg	1.6	3 1	05/11/10 16.38	05/13/10 14:58	7440-39-3	
Beryllium	0.63 mg	ı/kg	0.16	3 1	05/11/10 16.38	05/13/10 14:58	7440-41-7	
Boron	6.2 mg	/kg	4.1	1	05/11/10 16:38	05/13/10 14:58	7440-42-8	
Cadmium	ND mg		0.16	5 1	05/11/10 16:38	05/13/10 14.58	7440-43-9	
Calcium	1410 mg		164	1	05/11/10 16.38	05/13/10 14:58	7440-70-2	
Chromium	13.0 mg		0.4	1	05/11/10 16.38	05/13/10 14:58	7440-47-3	
Cobalt	26.8 mg	-	0.82			05/13/10 14:58		
Copper	8.7 mg	-	0.83			05/13/10 14 58		
Iron	24100 mg		B.:			05/13/10 14:58		
Lead	6.4 mg		0.4			05/13/10 14:58		
Magnesium	3940 mg		41.1			05/13/10 14:58		
Manganese	352 mg		0.82			05/13/10 14:58		
Molybdenum	ND mg		1.0			05/13/10 14:58		
Nickel	24.8 mg	, ,	1.0			05/13/10 14:58		
			41.			05/13/10 14:58		
Potassium	1290 mg							
Selenium	ND mg		0.4			05/13/10 14:58		
Silver	0.28 mg		0.10			05/13/10 14:58		
Sodium	ND mg		41			05/13/10 14:58		
Thallium	ND me		1.0			05/13/10 14:58		
Vanadium	11.4 mg		0.8			05/13/10 14:58		
Zinc	50.2 mg	g/kg	0.83	2 1	05/11/10 16:38	05/13/10 14.58	7440-66-6	
7471 Mercury	Analytical Met	nod: EPA 741	71 Preparation M	ethod: E	PA 7471			
Mercury	ND m	g/kg	0.1) 1	05/12/10 11:39	05/13/10 11:27	7439-97-6	
8270 MSSV FULL LIST MICROWAVE	Analytical Met	nod: EPA 82	70 Preparation M	ethod: E	PA 3546			
Acenaphthene	ND ug	/kg	35	7 1	05/11/10 16:25	05/12/10 18 27	83-32-9	
Acenaphthylene	ND ug	-	35			05/12/10 18:27		
Anthracene	ND ug	_	35	7 1		05/12/10 18:27		
Azobenzene	ND ug	-	35			05/12/10 18 27		
Benzo(a)anthracene	ND us	-	35			05/12/10 18.27		
Benzo(a)pyrene	ND ug	•	35			05/12/10 18:27		
Benzo(b)fluoranthene	ND ug	_	35			05/12/10 18:27		
Benzo(g,h,i)perylene	ND ug	-	35			05/12/10 18:27		
Benzo(k)fluoranthene	ND ug	-	35			05/12/10 18:27		
Benzoic acid	ND ug	_	89			05/12/10 18:27		
Benzyl alcohol	ND ug	_	35			05/12/10 18:27		
•		-	35			05/12/10 18:27		
4-Bromophenylphenyl ether	ND ug	-	35 35			05/12/10 18:27		
Butylbenzylphthalate	ND ug	•						
Carbazole	ND ug	-	35			05/12/10 18:27		
4-Chloro-3-methylphenol	ND ug		35			05/12/10 18:27		
4-Chloroaniline	ND ug	i/ka	35	71	05/11/10 16:25	05/12/10 18 27	106-47-8	

Date: 05/14/2010 03:55 PM

REPORT OF LABORATORY ANALYSIS

Page 36 of 86

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CABOT-EPA 006676



Matrix: Solid

ANALYTICAL RESULTS

Collected: 05/10/10 14:55 Received: 05/11/10 10:00

Lab ID: 3027393013

ND ug/kg

ND ug/kg

ND ug/kg

ND ug/kg

ND ug/kg

ND ug/kg

ND ug/kg

ND ug/kg

ND ug/kg

ND ug/kg

ND ug/kg

ND ug/kg

Project:

Pace Project No.: 3027393

Sample: 2H/4H-7R

Results reported on a "dry-weight" basis Results Units Report Limit DF Prepared Analyzed CAS No. Parameters Qual 8270 MSSV FULL LIST Analytical Method: EPA 8270 Preparation Method: EPA 3546 **MICROWAVE** bis(2-Chloroethoxy)methane ND ug/kg 357 05/11/10 16:25 05/12/10 18:27 111-91-1 357 05/11/10 16:25 05/12/10 18:27 111-44-4 ND ug/kg bis(2-Chloroethyl) ether 1 bis(2-Chloroisopropyl) ether ND ug/kg 357 05/11/10 16 25 05/12/10 18:27 108-60-1 357 05/11/10 16:25 05/12/10 18:27 91-58-7 ND ug/kg 2-Chloronaphthalene 2-Chlorophenol ND ug/kg 357 05/11/10 16:25 05/12/10 18 27 95-57-8 ND ug/kg 357 05/11/10 16:25 05/12/10 18:27 7005-72-3 4-Chlorophenylphenyl ether Chrysene ND ug/kg 357 05/11/10 16.25 05/12/10 18:27 218-01-9 Dibenz(a,h)anthracene ND ug/kg 357 05/11/10 16:25 05/12/10 18:27 53-70-3 05/11/10 16:25 05/12/10 18:27 132-64-9 Dibenzofuran ND ug/kg 357 1,2-Dichlorobenzene ND ug/kg 357 05/11/10 16:25 05/12/10 18:27 95-50-1 1.3-Dichlorobenzene ND ug/kg 357 05/11/10 16.25 05/12/10 18:27 541-73-1 1,4-Dichlorobenzene ND ug/kg 357 05/11/10 16 25 05/12/10 18:27 106-46-7 357 05/11/10 16:25 05/12/10 18:27 91-94-1 3,3'-Dichlorobenzidine ND ug/kg 2,4-Dichlorophenol ND ug/kg 357 05/11/10 16:25 05/12/10 18:27 120-83-2 ND ug/kg 357 05/11/10 16 25 05/12/10 18:27 84-66-2 Diethylphthalate 2,4-Dimethylphenol ND ug/kg 357 05/11/10 16 25 05/12/10 18:27 105-67-9 357 05/11/10 16.25 05/12/10 18:27 131-11-3 Dimethylphthalate ND ug/kg Di-n-butylphthalate ND ug/kg 357 05/11/10 16:25 05/12/10 18 27 84-74-2 05/11/10 16:25 05/12/10 18:27 534-52-1 4,6-Dinitro-2-methylphenol ND ug/kg 894 2,4-Dinitrophenol ND ug/kg 894 05/11/10 16 25 05/12/10 18:27 51-28-5 357 2,4-Dinitrotoluene ND ug/kg 05/11/10 16.25 05/12/10 18:27 121-14-2 2,6-Dinitrotoluene ND ug/kg 357 05/11/10 16:25 05/12/10 18.27 606-20-2 357 05/11/10 16:25 05/12/10 18:27 117-84-0 Di-n-octylphthalate ND ug/kg bis(2-Ethylhexyl)phthalate ND ug/kg 357 05/11/10 16:25 05/12/10 18:27 117-81-7 357 05/11/10 16 25 05/12/10 18:27 206-44-0 Fluoranthene ND ug/kg 357 05/11/10 16.25 05/12/10 18:27 86-73-7 Fluorene ND ug/kg Hexachloro-1,3-butadiene ND ug/kg 357 05/11/10 16.25 05/12/10 18 27 87-68-3 Hexachlorobenzene ND ug/kg 357 05/11/10 16:25 05/12/10 18:27 118-74-1 Hexachlorocyclopentadiene 357 05/11/10 16:25 05/12/10 18:27 77-47-4 ND ug/kg 357 05/11/10 16:25 05/12/10 18:27 67-72-1 Hexachloroethane ND ug/kg Indeno(1,2,3-cd)pyrene ND ug/kg 357 05/11/10 16:25 05/12/10 18:27 193-39-5 ND ug/kg 357 05/11/10 16.25 05/12/10 18.27 78-59-1 Isophorone 1-Methylnaphthalene 357 05/11/10 16:25 05/12/10 18:27 90-12-0 ND ug/kg

N-Nitroso-di-n-propylamine

Date. 05/14/2010 03:55 PM

N-Nitrosodimethylamine

2-Methylnaphthalene

Naphthalene

2-Nitroaniline

3-Nitroaniline

4-Nitroaniline

Nitrobenzene

2-Nitrophenol

4-Nitrophenol

2-Methylphenol(o-Cresol)

3&4-Methylphenol(m&p Cresol)

REPORT OF LABORATORY ANALYSIS

357

357

715

357

894

894

894

357

357

357

357

357

Page 37 of 86

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CABOT-EPA 006677

05/11/10 16:25 05/12/10 18:27 91-57-6

05/11/10 16:25 05/12/10 18:27 95-48-7

05/11/10 16:25 05/12/10 18:27 91-20-3

05/11/10 16 25 05/12/10 18 27 88-74-4

05/11/10 16 25 05/12/10 18:27 99-09-2

05/11/10 16.25 05/12/10 18:27 100-01-6

05/11/10 16:25 05/12/10 18:27 98-95-3

05/11/10 16:25 05/12/10 18:27 88-75-5

05/11/10 16:25 05/12/10 18:27 100-02-7

05/11/10 16:25 05/12/10 18.27 62-75-9

05/11/10 16 25 05/12/10 18.27 621-64-7

05/11/10 16:25 05/12/10 18:27



ANALYTICAL RESULTS

Project:

Pace Project No · 3027393

Sample: 2H/4H-7R	Lab ID: 302	7393013	Collected: 05/10/1	0 14.55	Received 05	/11/10 10:00 N	latrix: Solid	
Results reported on a "dry-weig	ht" basis							
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qua
8270 MSSV FULL LIST MICROWAVE	Analytical Meth	nod: EPA 82	270 Preparation Met	hod: EPA	A 3546			
N-Nitrosodiphenylamine	ND ug	/kg	357	1	05/11/10 16 25	05/12/10 18 27	86-30-6	
Pentachlorophenol	ND ug	/kg	894	1	05/11/10 16 25	05/12/10 18:27	87-86- 5	
Phenanthrene	ND ug	/kg	357	1	05/11/10 16:25	05/12/10 18:27	85-01-8	
Phenol	ND ug	/kg	357	1	05/11/10 16:25	05/12/10 18:27	108-95-2	
Pyrene	ND ug	/kg	357	1	05/11/10 16·25	05/12/10 18.27	129-00-0	
1,2,4-Trichlorobenzene	ND ug	/kg	357	1	05/11/10 16 25	05/12/10 18 27	120-82-1	
2,4,5-Trichlorophenol	ND ug	/kg	894	1	05/11/10 16:25	05/12/10 18:27	95-95-4	
2,4,6-Trichlorophenol	ND ug	/kg	357	1	05/11/10 16:25	05/12/10 18:27	88-06-2	
Nitrobenzene-d5 (S)	62 %	•	35-114	1	05/11/10 16:25	05/12/10 18:27	4165-60-0	
2-Fluorobiphenyl (S)	82 %		43-116	1	05/11/10 16 25	05/12/10 18.27	321-60-8	
Terphenyl-d14 (S)	102 %		33-141	1		05/12/10 18.27		
Phenol-d6 (S)	63 %		10-110	1	05/11/10 16:25	05/12/10 18:27	13127-88-3	
2-Fluorophenol (S)	60 %		21-110	1	05/11/10 16:25	05/12/10 18:27	367-12-4	
2,4,6-Tribromophenol (S)	87 %		10-123	1	05/11/10 16 25	05/12/10 18 27	118-79-6	
8260 MSV 5030 Low Level	Analytical Metl	nod. EPA 82	260					
Acetone	20.5 ug	/ka	8.5	1		05/12/10 22:37	67-64-1	
Benzene	ND ug		4.2	1		05/12/10 22:37		
Bromochloromethane	ND ug		4.2	1		05/12/10 22:37		
Bromodichloromethane	ND ug		4.2	1		05/12/10 22:37		
Bromoform	ND ug	-	4.2	1		05/12/10 22:37		
Bromomethane	ND ug	-	4.2	1		05/12/10 22:37		
TOTAL BTEX	ND ug	•	25.5	1		05/12/10 22:37		
2-Butanone (MEK)	ND ug	-	8.5	1		05/12/10 22:37		
n-Butylbenzene	ND ug	-	4.2	1		05/12/10 22:37		
sec-Butylbenzene	ND ug	-	4.2	1		05/12/10 22:37		
Carbon disulfide	ND ug	-	4.2	i 1		05/12/10 22:37		
Carbon tetrachloride	ND ug	_	4.2	1		05/12/10 22:37		
Chlorobenzene	ND ug	_	4.2	1		05/12/10 22:37		
Chloroethane	ND ug	•	4.2	1		05/12/10 22:37		
Chloroform	ND ug	•	4.2	1		05/12/10 22:37		
Chloromethane	ND ug	-	4.2	1		05/12/10 22:37		
Dibromochloromethane	ND ug		4.2	1		05/12/10 22:37		
1,2-Dichlorobenzene				1				
1,3-Dichlorobenzene	ND ug ND ug		4.2 4.2	1		05/12/10 22:37 05/12/10 22:37		
1,4-Dichlorobenzene	ND ug	_	4.2	1		05/12/10 22:37		
1,1-Dichloroethane	ND ug	. •	4.2	1		05/12/10 22.37		
1,1-Dichloroethane			4.2	1		05/12/10 22:37		
•	ND ug		4.2 8.5	1				
1,2-Dichloroethene (Total)	ND ug	-		1		05/12/10 22:37		
1,1-Dichloroethene	ND ug		4.2 4.2	1		05/12/10 22:37		
cis-1,2-Dichloroethene	ND ug					05/12/10 22:37		
trans-1,2-Dichloroethene	ND ug		4.2	1		05/12/10 22:37		
1,2-Dichloropropane	ND ug		42	1		05/12/10 22:37		
cis-1,3-Dichloropropene	ND ug	-	4.2	1		05/12/10 22:37		
trans-1,3-Dichloropropene	ND ug	J/Kg	4.2	1		05/12/10 22:37	10061-02-6	

Date: 05/14/2010 03:55 PM

REPORT OF LABORATORY ANALYSIS

Page 38 of 86

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CABOT-EPA 006678



ANALYTICAL RESULTS

Project⁻

20072

Pace Project No.: 3027393

Sample: 2H/4H-7R	Lab ID: 3027393013	Collected: 05/10/10	14:55	Received 05	5/11/10 10:00 N	Matrix: Solid	
Results reported on a "dry-weigh	t" basis						
Parameters	Results Units	Report Limit	DF	Prepared	Analyzed	CAS No	Qua
8260 MSV 5030 Low Level	Analytical Method: EPA 82	60					
Ethylbenzene	ND ug/kg	42	1		05/12/10 22:37	100-41-4	
2-Hexanone	ND ug/kg	8.5	1		05/12/10 22 37	591-78-6	
Isopropylbenzene (Cumene)	ND ug/kg	4.2	1		05/12/10 22:37	98-82-8	
p-Isopropyltoluene	ND ug/kg	4.2	1		05/12/10 22:37	99-87-6	
Methylene Chloride	ND ug/kg	4.2	1		05/12/10 22:37	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/kg	85	1		05/12/10 22:37	' 108-10-1	
Methyl-tert-butyl ether	ND ug/kg	4.2	1		05/12/10 22:37	1634-04-4	
Naphthalene	ND ug/kg	4.2	1		05/12/10 22 37	91-20-3	
n-Propylbenzene	ND ug/kg	4.2	1		05/12/10 22:37	103-65-1	
Styrene	ND ug/kg	4.2	1		05/12/10 22:37	100-42-5	
1,1,2,2-Tetrachloroethane	ND ug/kg	4 2	1		05/12/10 22:37	79-34-5	
Tetrachloroethene	ND ug/kg	4 2	1		05/12/10 22:37	127-18-4	
Toluene	ND ug/kg	4.2	1		05/12/10 22·37	7 108-88-3	
1,2,4-Trichlorobenzene	ND ug/kg	4.2	1		05/12/10 22.37	120-82-1	
1,1,1-Trichloroethane	ND ug/kg	4.2	1		05/12/10 22:37	71-55-6	
1,1,2-Trichloroethane	ND ug/kg	4.2	1		05/12/10 22:37	7 79-00-5	
Trichloroethene	ND ug/kg	4.2	1		05/12/10 22:37	7 79-01-6	
1,2,4-Trimethylbenzene	ND ug/kg	4.2	1		05/12/10 22:37	95-63-6	
1,3,5-Trimethylbenzene	ND ug/kg	4.2	1		05/12/10 22.37	7 108- 67-8	
Vinyl chloride	ND ug/kg	4.2	1		05/12/10 22.37	7 75-01-4	
Xylene (Total)	ND ug/kg	12.7	1		05/12/10 22:37		
m&p-Xylene	ND ug/kg	8.5	1		05/12/10 22:37	7 179601-23-1	
o-Xylene	ND ug/kg	4.2	1		05/12/10 22:37		
Toluene-d8 (S)	89 %	70-130	1		05/12/10 22:37		
4-Bromofluorobenzene (S)	101 %	70-130	1		05/12/10 22:37		
1,2-Dichloroethane-d4 (S)	128 %	70-130	1		05/12/10 22.37	7 17060-07-0	
Percent Moisture	Analytical Method ⁻ ASTM I	02974-87					
Percent Moisture	7.8 %	0.10	1		05/12/10 15:02	2	
350.1 Ammonia	Analytical Method: EPA 35	0.1					
Nitrogen, Ammonia	ND mg/kg	5.0	1		05/12/10 15:27	7 7664-41-7	

Date: 05/14/2010 03:55 PM

REPORT OF LABORATORY ANALYSIS

Page 39 of 86

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CABOT-EPA 006679



ANALYTICAL RESULTS

Project:

Pace Project No.: 3027393

Sample: 2H/4H-7R ASTM	Lab ID: 302	27393014	Collected: 05/10/1	0 14:55	Received. 05	5/11/10 10:00 M	latrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
5540C MBAS Surfactants	Analytical Me	thod: SM 55	40C					
Surfactants	ND m	ıg/L	0.10	1		05/13/10 14:08		2c
4500 Chloride	Analytical Me	thod: SM 450	00-CI-E					
Chloride	ND m	ng/L	3 0	1		05/12/10 20:43	16887-00-6	

Date 05/14/2010 03:55 PM

REPORT OF LABORATORY ANALYSIS

Page 40 of 86



CABOT-EPA 006680



(724)850-5600

ANALYTICAL RESULTS

Project:

200

Pace Project No.: 3027393

Sample: 2H/4H-8R Lab ID: 3027393015 Collected: 05/10/10 15:30 Received: 05/11/10 10:00 Results reported on a "dry-weight" basis Parameters Results Units Report Limit DF Prepared CAS No. Analyzed Qual 6010 MET ICP Analytical Method: EPA 6010B Preparation Method: EPA 3050 11200 mg/kg 05/11/10 16:38 05/13/10 15:01 7429-90-5 6.2 Aluminum Antimony 0.42 mg/kg 031 05/11/10 16:38 05/13/10 15 01 7440-36-0 3.7 mg/kg 031 Arsenic 05/11/10 16:38 05/13/10 15 01 7440-38-2 Barium 167 mg/kg 1.2 05/11/10 16.38 05/13/10 15 01 7440-39-3 0.75 mg/kg Beryllium 0.12 05/11/10 16 38 05/13/10 15.01 7440-41-7 Boron 6.8 mg/kg 3.1 05/11/10 16.38 05/13/10 15.01 7440-42-8 Cadmium ND mg/kg 0.12 05/11/10 16:38 05/13/10 15:01 7440-43-9 Calcium 2070 mg/kg 124 05/11/10 16:38 05/13/10 15:01 7440-70-2 Chromium 15.7 mg/kg 0.31 05/11/10 16:38 05/13/10 15:01 7440-47-3 Cobalt 10.8 mg/kg 0.62 05/11/10 16:38 05/13/10 15:01 7440-48-4 Copper 6.5 mg/kg 0.62 05/11/10 16:38 05/13/10 15:01 7440-50-8 05/11/10 16:38 05/13/10 15:01 7439-89-6 Iron 28400 mg/kg 6.2 Lead 1.7 mg/kg 0 31 05/11/10 16:38 05/13/10 15 01 7439-92-1 4640 mg/kg Magnesium 30.9 05/11/10 16:38 05/13/10 15.01 7439-95-4 618 mg/kg Manganese 0.62 05/11/10 16:38 05/13/10 15.01 7439-96-5 ND mg/kg Molybdenum 1.2 05/11/10 16.38 05/13/10 15:01 7439-98-7 Nickel 25.5 mg/kg 1.2 05/11/10 16:38 05/13/10 15:01 7440-02-0 1400 mg/kg Potassium 30.9 05/11/10 16:38 05/13/10 15:01 7440-09-7 Selenium ND mg/kg 0.31 05/11/10 16:38 05/13/10 15:01 7782-49-2 Silver 0.32 mg/kg 0 12 05/11/10 16:38 05/13/10 15:01 7440-22-4 Sodium 309 ND mg/kg 05/11/10 16.38 05/13/10 15.01 7440-23-5 ND mg/kg Thallium 1.2 05/11/10 16.38 05/13/10 15 01 7440-28-0 13.2 mg/kg Vanadium 0.62 05/11/10 16:38 05/13/10 15 01 7440-62-2 05/11/10 16 38 05/13/10 15:01 7440-66-6 Zinc 53.6 mg/kg 0.62 7471 Mercury Analytical Method. EPA 7471 Preparation Method: EPA 7471 ND mg/kg 0.10 05/12/10 11:39 05/13/10 11:29 7439-97-6 Mercury 8270 MSSV FULL LIST Analytical Method: EPA 8270 Preparation Method. EPA 3546 **MICROWAVE** Acenaphthene ND ug/kg 05/11/10 16:25 05/12/10 18:50 83-32-9 341 Acenaphthylene ND ug/kg 341 05/11/10 16:25 05/12/10 18:50 208-96-8 Anthracene ND ug/kg 341 05/11/10 16:25 05/12/10 18.50 120-12-7 Azobenzene ND ug/kg 341 05/11/10 16.25 05/12/10 18 50 103-33-3 Benzo(a)anthracene ND ug/kg 341 05/11/10 16.25 05/12/10 18:50 56-55-3 Benzo(a)pyrene ND ug/kg 341 05/11/10 16.25 05/12/10 18.50 50-32-8 Benzo(b)fluoranthene ND ug/kg 341 05/11/10 16:25 05/12/10 18.50 205-99-2 Benzo(g,h,i)perylene ND ug/kg 341 05/11/10 16:25 05/12/10 18:50 191-24-2 Benzo(k)fluoranthene ND ug/kg 341 05/11/10 16 25 05/12/10 18:50 207-08-9 Benzoic acid ND ug/kg 852 05/11/10 16 25 05/12/10 18:50 65-85-0 ND ug/kg Benzyl alcohol 341 05/11/10 16.25 05/12/10 18:50 100-51-6 4-Bromophenylphenyl ether ND ug/kg 341 05/11/10 16 25 05/12/10 18:50 101-55-3 Butylbenzylphthalate ND ug/kg 341 05/11/10 16:25 05/12/10 18:50 85-68-7 341 05/11/10 16:25 05/12/10 18:50 86-74-8 Carbazole ND ug/kg 4-Chloro-3-methylphenol ND ug/kg 341 05/11/10 16:25 05/12/10 18:50 59-50-7 4-Chloroaniline 341 05/11/10 16 25 05/12/10 18:50 106-47-8 ND ug/kg

Date: 05/14/2010 03 55 PM

REPORT OF LABORATORY ANALYSIS

Page 41 of 86

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CABOT-EPA 006681



ANALYTICAL RESULTS

Project:

Pace Project No: 3027393

Sample: 2H/4H-8R	Lab ID: 302739	3015	Collected: 05/10/1	10 15:30	Received, 05	/11/10 10:00 N	/latrix: Solid	
Results reported on a "dry-weight	" basis							
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No	Qua
8270 MSSV FULL LIST MICROWAVE	Analytical Method	EPA 82	70 Preparation Metr	nod: EP/	A 3546			
bis(2-Chloroethoxy)methane	ND ug/kg		341	1	05/11/10 16 25	05/12/10 18:50	111-91-1	
bis(2-Chloroethyl) ether	ND ug/kg		341	1	05/11/10 16 25	05/12/10 18 50	111-44-4	
bis(2-Chloroisopropyl) ether	ND ug/kg		341	1		05/12/10 18.50		
2-Chloronaphthalene	ND ug/kg		341	1		05/12/10 18:50		
2-Chlorophenol	ND ug/kg		341	1		05/12/10 18:50		
4-Chlorophenylphenyl ether	ND ug/kg		341	1		05/12/10 18:50		
Chrysene	ND ug/kg		341	1		05/12/10 18:50		
Dibenz(a,h)anthracene	ND ug/kg		341	1		05/12/10 18 50		
Dibenzofuran	ND ug/kg		341	1		05/12/10 18:50		
1,2-Dichlorobenzene	ND ug/kg		341	1		05/12/10 18:50		
1,3-Dichlorobenzene	ND ug/kg		341	1		05/12/10 18:50		
1,4-Dichlorobenzene	ND ug/kg		341	1		05/12/10 18.50		
3,3'-Dichlorobenzidine	ND ug/kg		341	1		05/12/10 18:50		
2,4-Dichlorophenol	ND ug/kg		341	1		05/12/10 18:50		
Diethylphthalate	ND ug/kg		341	1		05/12/10 18:50		
2,4-Dimethylphenol	ND ug/kg		341	1		05/12/10 18:50		
Dimethylphthalate	ND ug/kg		341	i		05/12/10 18:50		
Di-n-butylphthalate	ND ug/kg		341	1		05/12/10 18:50		
4,6-Dinitro-2-methylphenol	ND ug/kg		852	1		05/12/10 18:50		
2,4-Dinitrophenol	ND ug/kg		852	1		05/12/10 18:50		
2,4-Dinitrotoluene	ND ug/kg		341	1		05/12/10 18:50		
2,6-Dinitrotoluene	ND ug/kg		341	1		05/12/10 18:50		
Di-n-octylphthalate	ND ug/kg		341	i		05/12/10 18:50		
bis(2-Ethylhexyl)phthalate	ND ug/kg		341	1		05/12/10 18:50		
Fluoranthene	ND ug/kg		341	1		05/12/10 18:50		
Fluorene	ND ug/kg		341	i		05/12/10 18.50		
Hexachloro-1,3-butadiene	ND ug/kg		341	1		05/12/10 18:50		
Hexachlorobenzene	ND ug/kg		341	1		05/12/10 18:50		
Hexachlorocyclopentadiene	ND ug/kg		341	i		05/12/10 18:50		
Hexachloroethane	ND ug/kg		341	i		05/12/10 18:50		
Indeno(1,2,3-cd)pyrene	ND ug/kg		341	1		05/12/10 18:50		
Isophorone	ND ug/kg		341	1		05/12/10 18:50		
1-Methylnaphthalene	ND ug/kg		341	1		05/12/10 18:50		
2-Methylnaphthalene	ND ug/kg		341	1		05/12/10 18:50		
2-Methylphenol(o-Cresol)	ND ug/kg		341	1		05/12/10 18.50		
3&4-Methylphenol(m&p Cresol)	ND ug/kg		682	i		05/12/10 18:50	33-40-1	
Naphthalene	ND ug/kg		341	1		05/12/10 18:50	91-20-3	
2-Nitroaniline	ND ug/kg		852	1		05/12/10 18.50		
3-Nitroaniline	ND ug/kg		852	1		05/12/10 18:50		
4-Nitroaniline	ND ug/kg		852 852	1		05/12/10 18:50		
Nitrobenzene	ND ug/kg		341	1		05/12/10 18:50		
2-Nitrophenol	ND ug/kg		341	1		05/12/10 18:50		
4-Nitrophenol	ND ug/kg		341	1		05/12/10 18:50		
N-Nitrosodimethylamine	ND ug/kg ND ug/kg		341 341	1				
N-Nitroso-di-n-propylamine	ND ug/kg		341	1	05/11/10 16:25	05/12/10 18:50		

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REPORT OF LABORATORY ANALYSIS

Page 42 of 86

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CABOT-EPA 006682



ANALYTICAL RESULTS

Project:

Pace Project No.: 3027393

Lab ID: 3027393015 Sample: 2H/4H-8R Collected: 05/10/10 15:30 Received 05/11/10 10:00 Matrix, Solid Results reported on a "dry-weight" basis Units DF CAS No. **Parameters** Results Report Limit Prepared Qual Analyzed 8270 MSSV FULL LIST Analytical Method: EPA 8270 Preparation Method. EPA 3546 MICROWAVE N-Nitrosodiphenylamine ND ug/kg 341 05/11/10 16:25 05/12/10 18:50 86-30-6 ND ug/kg 852 05/11/10 16:25 05/12/10 18:50 87-86-5 Pentachlorophenol ND ug/kg 341 05/11/10 16:25 05/12/10 18:50 85-01-8 Phenanthrene ND ug/kg 05/11/10 16:25 05/12/10 18.50 108-95-2 Phenol 341 ND ug/kg 341 05/11/10 16:25 05/12/10 18.50 129-00-0 Pyrene ND ug/kg 341 05/11/10 16 25 05/12/10 18:50 120-82-1 1,2,4-Trichlorobenzene ND ug/kg 05/11/10 16:25 05/12/10 18:50 95-95-4 2.4.5-Trichlorophenol 852 2,4,6-Trichlorophenol ND ug/kg 341 05/11/10 16:25 05/12/10 18:50 88-06-2 35-114 05/11/10 16:25 05/12/10 18:50 4165-60-0 Nitrobenzene-d5 (S) 60 % 1 2-Fluorobiphenyl (S) 80 % 43-116 05/11/10 16:25 05/12/10 18 50 321-60-8 107 % 33-141 05/11/10 16:25 05/12/10 18:50 1718-51-0 Terphenyl-d14 (S) Phenol-d6 (S) 61 % 10-110 05/11/10 16.25 05/12/10 18:50 13127-88-3 59 % 21-110 05/11/10 16:25 05/12/10 18:50 367-12-4 2-Fluorophenol (S) 2,4,6-Tribromophenol (S) 91 % 10-123 05/11/10 16:25 05/12/10 18:50 118-79-6 8260 MSV 5030 Low Level Analytical Method: EPA 8260 Acetone 27.6 ug/kg 9.6 1 05/12/10 23.01 67-64-1 ND ug/kg 48 05/12/10 23.01 71-43-2 Benzene 1 Bromochloromethane ND ug/kg 48 05/12/10 23:01 74-97-5 ND ug/kg 4.8 05/12/10 23:01 75-27-4 Bromodichloromethane Bromoform ND ug/kg 4.8 05/12/10 23:01 75-25-2 ND ug/kg 4.8 05/12/10 23 01 74-83-9 Bromomethane 1 TOTAL BTEX ND ug/kg 28.7 05/12/10 23.01 ND ug/kg 2-Butanone (MEK) 96 05/12/10 23:01 78-93-3 n-Butylbenzene ND ug/kg 48 05/12/10 23:01 104-51-8 ND ug/kg 4.8 05/12/10 23:01 135-98-8 sec-Butvlbenzene 1 Carbon disulfide ND ug/kg 4.8 05/12/10 23:01 75-15-0 Carbon tetrachloride ND ug/kg 4.8 05/12/10 23:01 56-23-5 Chlorobenzene ND ug/kg 4.8 05/12/10 23:01 108-90-7 Chloroethane ND ug/kg 4.8 05/12/10 23 01 75-00-3 1 Chloroform ND ug/kg 4.8 05/12/10 23.01 67-66-3 Chloromethane ND ug/kg 4.8 05/12/10 23.01 74-87-3 Dibromochloromethane ND ug/kg 4.8 05/12/10 23:01 124-48-1 1,2-Dichlorobenzene ND ug/kg 4.8 05/12/10 23:01 95-50-1 1,3-Dichlorobenzene ND ug/kg 4.8 05/12/10 23:01 541-73-1 ND ug/kg 1,4-Dichlorobenzene 4.8 05/12/10 23:01 106-46-7 1,1-Dichloroethane ND ug/kg 48 05/12/10 23:01 75-34-3 ND ug/kg 1,2-Dichloroethane 4.8 05/12/10 23:01 107-06-2 1 1,2-Dichloroethene (Total) ND ug/kg 96 05/12/10 23.01 540-59-0 1,1-Dichloroethene ND ug/kg 48 05/12/10 23:01 75-35-4 05/12/10 23:01 156-59-2 cis-1.2-Dichloroethene ND ug/kg 48 trans-1,2-Dichloroethene ND ug/kg 4.8 05/12/10 23.01 156-60-5 1,2-Dichloropropane ND ug/kg 4.8 1 05/12/10 23.01 78-87-5 cis-1,3-Dichloropropene ND ug/kg 05/12/10 23 01 10061-01-5 trans-1,3-Dichloropropene ND ug/kg 4.8 05/12/10 23.01 10061-02-6

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REPORT OF LABORATORY ANALYSIS

Page 43 of 86

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CABOT-EPA 006683



ANALYTICAL RESULTS

Project.

2027

Pace Project No.: 3027393

ample: 2H/4H-8R Lab ID: 3027393015		Collected: 05/10/1	0 15 30	Received: 0	5/11/10 10:00 I	Matrix: Solid	
Results reported on a "dry-weight							
Parameters	Results Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5030 Low Level	Analytical Method ⁻ EPA 826	60					
Ethylbenzene	ND ug/kg	4.8	1		05/12/10 23:01		
2-Hexanone	ND ug/kg	9.6	1		05/12/10 23.01	5 91-78 -6	
Isopropylbenzene (Cumene)	ND ug/kg	4.8	1		05/12/10 23.01	98-82-8	
p-Isopropyltoluene	ND ug/kg	4.8	1		05/12/10 23.01	99-87-6	
Methylene Chloride	ND ug/kg	4.8	1		05/12/10 23:01	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/kg	96	1		05/12/10 23:01	108-10-1	
Methyl-tert-butyl ether	ND ug/kg	4.8	1		05/12/10 23.01	1634-04-4	
Naphthalene	ND ug/kg	4.8	1		05/12/10 23.01	91-20-3	
n-Propylbenzene	ND ug/kg	4.8	1		05/12/10 23:01	103-65-1	
Styrene	ND ug/kg	4.8	1		05/12/10 23:01	100-42-5	
1,1,2,2-Tetrachloroethane	ND ug/kg	4 8	1		05/12/10 23:01	79-34-5	
Tetrachloroethene	ND ug/kg	4 8	1		05/12/10 23:01	127-18-4	
Toluene	ND ug/kg	4.8	1		05/12/10 23.01	108-88-3	
1,2,4-Trichlorobenzene	ND ug/kg	4.8	1		05/12/10 23:01	120-82-1	
1,1,1-Trichloroethane	ND ug/kg	4 8	1		05/12/10 23:01	71-55-6	
1,1,2-Trichloroethane	ND ug/kg	4.8	1		05/12/10 23.01	79-00-5	
Trichloroethene	ND ug/kg	4.8	1		05/12/10 23:01	79-01-6	
1,2,4-Trimethylbenzene	ND ug/kg	4.8	1		05/12/10 23:01	95-63-6	
1,3,5-Trimethylbenzene	ND ug/kg	4.8	1		05/12/10 23:01	108-67-8	
Vinyl chloride	ND ug/kg	4.8	1		05/12/10 23:01	75-01-4	
Xylene (Total)	ND ug/kg	14.3	1		05/12/10 23 01	1330-20-7	
m&p-Xylene	ND ug/kg	9.6	1		05/12/10 23 01	179601-23-1	
o-Xylene	ND ug/kg	4.8	1		05/12/10 23:01	95-47-6	
Toluene-d8 (S)	88 %	70-130	1		05/12/10 23:01	2037-26-5	
4-Bromofluorobenzene (S)	103 %	70-130	1		05/12/10 23:01	460-00-4	
1,2-Dichloroethane-d4 (S)	135 %	70-130	1		05/12/10 23:01	17060-07-0	S0
Percent Moisture	Analytical Method: ASTM D	2974-87					
Percent Moisture	3.8 %	0 10	1		05/12/10 15 02	2	
350.1 Ammonia	Analytical Method: EPA 350	0.1					
Nitrogen, Ammonia	ND mg/kg	5.1	1		05/12/10 15·27	7664-41-7	

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REPORT OF LABORATORY ANALYSIS

Page 44 of 86

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CABOT-EPA 006684



(724)850-5600

ANALYTICAL RESULTS

Project.

200

Pace Project No.: 3027393

Sample: 2H/4H-8R ASTM	Lab ID: 3027393016		Collected. 05/10/10 15:30		Received: 05/11/10 10 00		atrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
5540C MBAS Surfactants	Analytical Me	thod: SM 554	10C					
Surfactants	ND mg/L		0.10	1		05/13/10 14 08		2c
4500 Chloride	Analytical Me	thod. SM 450	0-CI-E					
Chloride	ND m	ng/L	3.0	1		05/12/10 20:44	16887-00-6	

Date: 05/14/2010 03.55 PM

REPORT OF LABORATORY ANALYSIS

Page 45 of 86



CABOT-EPA 006685



ANALYTICAL RESULTS

Project: a027393
Pace Project No.: 3027393

Sample: 2H/4H-9R	Lab ID: 302	7393017	Collected. 05/10	/10 15 5	5 Received 05	/11/10 10:00 N	fatrix: Solid	
Results reported on a "dry-weig	ght" basis							
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Met	hod: EPA 60	10B Preparation N	lethod: [EPA 3050			
Aluminum	12100 m	g/kg	10.1	1	05/11/10 16 38	05/13/10 15:04	7429-90-5	
Antimony	ND m	g/kg	0.51	1	05/11/10 16 38	05/13/10 15:04	7440-36-0	
Arsenic	1.5 m	g/kg	0 51	1	05/11/10 16:38	05/13/10 15 04	7440-38-2	
Banum	81.1 m	g/kg	2.0	1	05/11/10 16:38	05/13/10 15:04	7440-39-3	
Beryllium	0.80 m	g/kg	0.20	1	05/11/10 16·38	05/13/10 15:04	7440-41-7	
Boron	9.1 m	g/kg	5.1	1	05/11/10 16:38	05/13/10 15:04	7440-42-8	
Cadmium	ND m	g/kg	0.20	1	05/11/10 16:38	05/13/10 15 04	7440-43-9	
Calcium	1650 m		202	1	05/11/10 16.38	05/13/10 15:04	7440-70-2	
Chromium	18.2 m		0.51	1	05/11/10 16 38	05/13/10 15:04	7440-47-3	
Cobalt	11.3 m	g/kg	1.0	1	05/11/10 16:38	05/13/10 15:04	7440-48-4	
Copper	3.3 m		1.0	1	05/11/10 16:38	05/13/10 15:04	7440-50-8	
Iron	34700 m	g/kg	10.1	1	05/11/10 16 38	05/13/10 15:04	7439-89-6	
Lead	1.6 m		0.51	1	05/11/10 16:38	05/13/10 15:04	7439-92-1	
Magnesium	5050 m		50.6	1	05/11/10 16:38	05/13/10 15.04	7439-95-4	
Manganese	319 m		1.0	1	05/11/10 16 38	05/13/10 15:04	7439-96-5	
Molybdenum	ND m		2.0			05/13/10 15:04		
Nickel	28.1 m		2.0			05/13/10 15:04		
Potassium	1600 m		50.6			05/13/10 15:04		
Selenium	ND m		0.51			05/13/10 15.04		
Silver	0.29 m		0.20			05/13/10 15.04		
Sodium	ND m		506			05/13/10 15:04		
Thallium	ND m		2.0			05/13/10 15:04		
Vanadium	15.8 m		1.0			05/13/10 15.04		
Zinc	55.0 m		1.0			05/13/10 15:04		
7471 Mercury	Analytical Met	hod: EPA 74	71 Preparation Me	ethod [.] El	PA 7471			
Mercury	ND m	g/kg	0 11	1	05/12/10 11:39	05/13/10 11:30	7439-97-6	
8270 MSSV FULL LIST MICROWAVE	Analytical Met	hod: EPA 82	70 Preparation Me	ethod El	PA 3546			
Acenaphthene	ND ug	/kg	358	5 1	05/11/10 16:25	05/12/10 19·12	83-32-9	
Acenaphthylene	ND us		358			05/12/10 19:12		
Anthracene	ND us		355			05/12/10 19:12		
Azobenzene	ND u	-	355	5 1		05/12/10 19 12		
Benzo(a)anthracene	ND u		355			05/12/10 19:12		
Benzo(a)pyrene	ND us		358			05/12/10 19:12		
Benzo(b)fluoranthene	ND ug		358			05/12/10 19:12		
Benzo(g,h,i)perylene	ND u		355			05/12/10 19:12		
Benzo(k)fluoranthene	ND u		355			05/12/10 19:12		
Benzoic acid	ND u		889			05/12/10 19:12		
Benzyl alcohol	ND u		355			05/12/10 19:12		
4-Bromophenylphenyl ether	ND u		355			05/12/10 19:12		
Butylbenzylphthalate	ND us		355			05/12/10 19:12		
Carbazole			355			05/12/10 19:12		
4-Chloro-3-methylphenol	ND u	_	35			05/12/10 19.12		
	ND u		35:					
4-Chloroaniline	ND u	ykg	358	7	05/11/10 16:25	05/12/10 19.12	106-47-8	

Date. 05/14/2010 03 55 PM

REPORT OF LABORATORY ANALYSIS

Page 46 of 86

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CABOT-EPA 006686



ANALYTICAL RESULTS

Project:

Pace Project No.: 3027393

Sample: 2H/4H-9R Lab ID: 3027393017 Collected. 05/10/10 15:55 Received: 05/11/10 10:00 Matrix. Solid

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qua
8270 MSSV FULL LIST MICROWAVE	Analytical Method	d: EPA 8270	O Preparation Met	nod. EF	PA 3546			
bis(2-Chloroethoxy)methane	ND ug/kg	3	355	1	05/11/10 16:25	05/12/10 19:12	111-91-1	
bis(2-Chloroethyl) ether	ND ug/kg	3	35 5	1	05/11/10 16.25	05/12/10 19:12	111-44-4	
bis(2-Chloroisopropyl) ether	ND ug/kg]	35 5	1	05/11/10 16 25	05/12/10 19.12	108-60-1	
2-Chloronaphthalene	ND ug/kg	3	355	1	05/11/10 16.25	05/12/10 19 12	91-58-7	
2-Chlorophenol	ND ug/kg	3	355	1	05/11/10 16:25	05/12/10 19 12	95-57-8	
4-Chlorophenylphenyl ether	ND ug/kg	3	355	1	05/11/10 16:25	05/12/10 19:12	7005-72-3	
Chrysene	ND ug/kg]	355	1	05/11/10 16:25	05/12/10 19:12	218-01-9	
Dibenz(a,h)anthracene	ND ug/kg]	355	1	05/11/10 16:25	05/12/10 19:12	53-70-3	
Dibenzofuran	ND ug/kg	1	355	1	05/11/10 16 25	05/12/10 19:12	132-64-9	
1,2-Dichlorobenzene	ND ug/kg	1	355	1	05/11/10 16 25	05/12/10 19:12	95-50-1	
1,3-Dichlorobenzene	ND ug/kg	3	355	1	05/11/10 16.25	05/12/10 19:12	541-73-1	
1,4-Dichlorobenzene	ND ug/kg		355	1	05/11/10 16:25	05/12/10 19.12	106-46-7	
3,3'-Dichlorobenzidine	ND ug/kg	•	355	1	05/11/10 16:25	05/12/10 19:12	91-94-1	
2,4-Dichlorophenol	ND ug/kg	<u> </u>	355	1	05/11/10 16:25	05/12/10 19:12	120-83-2	
Diethylphthalate	ND ug/kg	-	355	1		05/12/10 19:12		
2,4-Dimethylphenol	ND ug/kg	-	355	1		05/12/10 19:12		
Dimethylphthalate	ND ug/kg	-	355	1		05/12/10 19:12		
Di-n-butylphthalate	ND ug/kg	•	355	1		05/12/10 19:12		
4,6-Dinitro-2-methylphenol	ND ug/kg	-	889	1		05/12/10 19:12		
2,4-Dinitrophenol	ND ug/kg	-	889	1		05/12/10 19:12		
2,4-Dinitrotoluene	ND ug/kg	_	355	1		05/12/10 19:12		
2,6-Dinitrotoluene	ND ug/k	-	355	1		05/12/10 19:12		
Di-n-octylphthalate	ND ug/k		355	1		05/12/10 19:12		
bis(2-Ethylhexyl)phthalate	ND ug/k	•	355	1		05/12/10 19.12		
Fluoranthene	ND ug/k	•	355	1		05/12/10 19.12		
Fluorene	ND ug/k	-	355	1		05/12/10 19 12		
Hexachloro-1,3-butadiene	ND ug/k	~	355	1		05/12/10 19.12		
Hexachlorobenzene	ND ug/k	-	355	1		05/12/10 19:12		
Hexachlorocyclopentadiene	ND ug/k	-	355	1		05/12/10 19:12		
Hexachloroethane	ND ug/k	-	355	1		05/12/10 19:12		
Indeno(1,2,3-cd)pyrene	ND ug/k	_	355	1		05/12/10 19:12		
	ND ug/k	•	355	1		05/12/10 19.12		
Isophorone 1. Mothylpophthalene	ND ug/k	-	355	1		05/12/10 19.12		
1-Methylnaphthalene 2-Methylnaphthalene	ND ug/k	_	355	1		05/12/10 19.12		
• •	•	•	355	1		05/12/10 19.12		
2-Methylphenol(o-Cresol)	ND ug/k	•		1			95-46-7	
3&4-Methylphenol(m&p Cresol)	ND ug/k	-	711 355	1		05/12/10 19:12	01 20 3	
Naphthalene	ND ug/k	-	889	1		05/12/10 19:12		
2-Nitroaniline	ND ug/k					05/12/10 19:12		
3-Nitroaniline	ND ug/k	-	889	1 1		05/12/10 19:12		
4-Nitroaniline	ND ug/k	-	889			05/12/10 19:12		
Nitrobenzene	ND ug/k	-	355	1		05/12/10 19:12		
2-Nitrophenol	ND ug/k	-	355	1		05/12/10 19:12		
4-Nitrophenol	ND ug/k	-	355	1		05/12/10 19:12		
N-Nitrosodimethylamine	ND ug/k	•	355	1		05/12/10 19.12		
N-Nitroso-di-n-propylamine	ND ug/k	g	355	1	05/11/10 16:25	05/12/10 19.12	621-64-7	

Date: 05/14/2010 03.55 PM

REPORT OF LABORATORY ANALYSIS

Page 47 of 86

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CABOT-EPA 006687



ANALYTICAL RESULTS

Project:

2007

Pace Project No.: 3027393

Sample: 2H/4H-9R	Lab ID: 302	7393017	Collected: 05/10/1	U 15:55	Received: 05	/11/10 10:00 N	latrix: Solid	
Results reported on a "dry-weigi	ht" basis							
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qua
8270 MSSV FULL LIST MICROWAVE	Analytical Met	hod. EPA 82	70 Preparation Meth	nod: EP	A 3546			
N-Nitrosodiphenylamine	ND ug	ı/kg	355	1	05/11/10 16:25	05/12/10 19:12	86-30-6	
Pentachlorophenol	ND ug	/kg	889	1	05/11/10 16:25	05/12/10 19.12	87-86-5	
Phenanthrene	ND ug	/kg	355	1	05/11/10 16:25	05/12/10 19:12	85-01-8	
Phenol	ND ug	ı/ka	355	1	05/11/10 16.25	05/12/10 19:12	108-95-2	
Pyrene	ND ug	/ka	355	1	05/11/10 16:25	05/12/10 19:12	129-00-0	
1,2,4-Trichlorobenzene	ND ug		355	1	05/11/10 16 25	05/12/10 19:12	120-82-1	
2,4,5-Trichlorophenol	ND ug	•	889	1		05/12/10 19:12		
2,4,6-Trichlorophenol	ND ug	_	355	1		05/12/10 19:12		
Nitrobenzene-d5 (S)	56 %		35-114	1		05/12/10 19:12		
2-Fluorobiphenyl (S)	78 %		43-116	1		05/12/10 19:12		
Terphenyl-d14 (S)	97 %		33-141	1		05/12/10 19:12		
Pheno!-d6 (S)	61 %		10-110	1		05/12/10 19:12		
2-Fluorophenol (S)	59 %		21-110	1		05/12/10 19:12		
2,4,6-Tribromophenol (S)	82 %		10-123	1		05/12/10 19:12		
8260 MSV 5030 Low Level	Analytical Met			•	00/11/10 10:20	BO/12/10 15:12	110700	
	<u>*</u>							
Acetone	25.7 ug		7.7	1		05/12/10 23:25		
Benzene	ND ug		38	1		05/12/10 23:25		
Bromochloromethane	ND ug		3.8	1		05/12/10 23:25		
Bromodichloromethane	ND uç		38	1		05/12/10 23:25		
Bromoform	ND uç	g/kg	3.8	1		05/12/10 23:25	75-25-2	
Bromomethane	ND ug		3.8	1	•	05/12/10 23.25	74-83-9	
TOTAL BTEX	ND ug		23.0	1		05/12/10 23:25		
2-Butanone (MEK)	ND uç	g/kg	7.7	1		05/12/10 23:25	78-93-3	
n-Butylbenzene	ND ug	g/kg	3.8	1		05/12/10 23.25	104-51-8	
sec-Butylbenzene	ND uç	g/kg	3.8	1		05/12/10 23:25	135-98-8	
Carbon disulfide	ND uş	g/kg	3 8	1		05/12/10 23:25	75-15-0	
Carbon tetrachloride	ND uş	g/kg	3.8	1		05/12/10 23.25	56-23-5	
Chlorobenzene	ND uç	g/kg	3.8	1		05/12/10 23:25	108-90-7	
Chloroethane	ND ug	g/kg	3.8	1		05/12/10 23:25	75-00-3	
Chloroform	ND uş	g/kg	3 8	1		05/12/10 23:25	67-66-3	
Chloromethane	ND uş	g/kg	3.8	1		05/12/10 23:25	74-87-3	
Dibromochloromethane	ND ug	g/kg	3.8	1		05/12/10 23:25	124-48-1	
1,2-Dichlorobenzene	ND uş	g/kg	38	1		05/12/10 23:25	95-50-1	
1,3-Dichlorobenzene	ND uş	g/kg	3.8	1		05/12/10 23:25	541-73-1	
1,4-Dichlorobenzene	ND u	g/kg	3.8	1		05/12/10 23:25	106-46-7	
1,1-Dichloroethane	ND ug	g/kg	38	1		05/12/10 23:25	75-34-3	
1,2-Dichloroethane	ND u	g/kg	38	1		05/12/10 23:25	107-06-2	
1,2-Dichloroethene (Total)	ND u	g/kg	7.7	1		05/12/10 23:25	540-59-0	
1,1-Dichloroethene	ND u	g/kg	3.8	1		05/12/10 23:25	75-35-4	
cis-1,2-Dichloroethene	ND u		38	1		05/12/10 23:25	156-59-2	
trans-1,2-Dichloroethene	ND u		38	1		05/12/10 23.25		
1,2-Dichloropropane	ND u		3.8	1		05/12/10 23.25		
cis-1,3-Dichloropropene	ND u		3.8	1		05/12/10 23:25		
trans-1,3-Dichloropropene	ND u		3.8	1		05/12/10 23:25		

Date: 05/14/2010 03:55 PM

REPORT OF LABORATORY ANALYSIS

Page 48 of 86

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CABOT-EPA 006688



ANALYTICAL RESULTS

Project:

2007

Pace Project No.: 3027393

Sample: 2H/4H-9R	Lab ID: 3027393017	Collected: 05/10/1	0 15 55	Received: 0	5/11/10 10:00 M	/latrix: Solid	
Results reported on a "dry-weight							_
Parameters	Results Units	Report Limit	DF	Prepared	Analyzed	CAS No	Qua
8260 MSV 5030 Low Level	Analytical Method: EPA 826	60					
Ethylbenzene	ND ug/kg	38	1		05/12/10 23:25		
2-Hexanone	ND ug/kg	7.7	1		05/12/10 23:25	591-78-6	
Isopropylbenzene (Cumene)	ND ug/kg	3.8	1		05/12/10 23:25	98-82-8	
p-Isopropyltoluene	ND ug/kg	3.8	1		05/12/10 23:25	99-87-6	
Methylene Chloride	ND ug/kg	3.8	1		05/12/10 23:25	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/kg	7.7	1		05/12/10 23 25	108-10-1	
Methyl-tert-butyl ether	ND ug/kg	3.8	1		05/12/10 23.25	1634-04-4	
Naphthalene	ND ug/kg	38	1		05/12/10 23:25		
n-Propylbenzene	ND ug/kg	3.8	1		05/12/10 23:25	103-65-1	
Styrene	ND ug/kg	3.8	1		05/12/10 23:25	100-42-5	
1,1,2,2-Tetrachloroethane	ND ug/kg	3.8	1		05/12/10 23:25	79-34-5	
Tetrachloroethene	ND ug/kg	3.8	1		05/12/10 23:25	127-18-4	
Toluene	ND ug/kg	3.8	1		05/12/10 23:25	108-88-3	
1,2,4-Trichlorobenzene	ND ug/kg	3.8	1		05/12/10 23 25	120-82-1	
1,1,1-Trichloroethane	ND ug/kg	3.8	1		05/12/10 23·25	71-55-6	
1,1,2-Trichloroethane	ND ug/kg	3.8	1		05/12/10 23:25	79-00-5	
Trichloroethene	ND ug/kg	38	1		05/12/10 23.25	79-01-6	
1,2,4-Trimethylbenzene	ND ug/kg	3.8	1		05/12/10 23:25	95-63-6	
1,3,5-Trimethylbenzene	ND ug/kg	3.8	1		05/12/10 23:25	108-67-8	
Vinyl chloride	ND ug/kg	3.8	1		05/12/10 23:25	75-01-4	
Xylene (Total)	ND ug/kg	11.5	1		05/12/10 23:25	1330-20-7	
m&p-Xylene	ND ug/kg	7.7	1		05/12/10 23 25	179601-23-1	
o-Xylene	ND ug/kg	3.8	1		05/12/10 23 25	95-47-6	
Toluene-d8 (S)	87 %	70-130	1		05/12/10 23:25	2037-26-5	
4-Bromofluorobenzene (S)	98 %	70-130	1		05/12/10 23:25	460-00-4	
1,2-Dichloroethane-d4 (S)	141 %	70-130	1		05/12/10 23:25	17060-07-0	S0
Percent Moisture	Analytical Method: ASTM [02974-87					
Percent Moisture	8.5 %	0 10	1		05/12/10 15:03	3	
350.1 Ammonia	Analytical Method: EPA 35	0.1					
Nitrogen, Ammonia	ND mg/kg	5.1	1		05/12/10 15.28	7664-41-7	

Date: 05/14/2010 03:55 PM

REPORT OF LABORATORY ANALYSIS

Page 49 of 86

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CABOT-EPA 006689



ANALYTICAL RESULTS

Project:

Pace Project No.: 3027393

Sample: 2H/4H-9R ASTM	Lab ID: 3	3027393018	Collected: 05/10	/10 15:55	Received 0	5/11/10 10.00	Matrix Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No	Qual
5540C MBAS Surfactants	Analytical I	Method: SM 554	40C					
Surfactants	ND	mg/L	0.10	1		05/13/10 14:0	8	2c
4500 Chloride	Analytical I	Method: SM 450	00-CI-E					
Chloride	ND	mg/L	3.0	1		05/12/10 20 4	5 16887-00-6	

Date: 05/14/2010 03:55 PM

REPORT OF LABORATORY ANALYSIS

Page 50 of 86

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CABOT-EPA 006690



ANALYTICAL RESULTS

Project Project No.: 3027393

Sample: 2H/4H-10R Lab ID: 3027393019 Collected: 05/10/10 16:20 Received: 05/11/10 10:00 Matrix: Solid Results reported on a "dry-weight" basis Parameters Results Units Report Limit Prepared CAS No. Qual Analyzed 6010 MET ICP Analytical Method: EPA 6010B Preparation Method: EPA 3050 05/11/10 16:38 05/13/10 15:21 7429-90-5 Aluminum 9030 mg/kg 5.7 Antimony ND mg/kg 0.29 05/11/10 16:38 05/13/10 15:21 7440-36-0 1 Arsenic 5.1 mg/kg 029 05/11/10 16:38 05/13/10 15 21 7440-38-2 Barium 3540 mg/kg 11.5 05/11/10 16.38 05/13/10 15.41 7440-39-3 10 Beryllium 0.41 mg/kg 0.11 05/11/10 16:38 05/13/10 15:21 7440-41-7 Boron 5.1 mg/kg 2.9 05/11/10 16:38 05/13/10 15:21 7440-42-8 05/11/10 16.38 05/13/10 15:21 7440-43-9 Cadmium ND mg/kg 0.11 1 Calcium 1500 mg/kg 115 05/11/10 16:38 05/13/10 15:21 7440-70-2 0.29 05/11/10 16:38 05/13/10 15:21 7440-47-3 Chromium 11.4 mg/kg 1 Cobalt 10.7 mg/kg 0.57 05/11/10 16.38 05/13/10 15.21 7440-48-4 05/11/10 16:38 05/13/10 15:21 7440-50-8 6.1 mg/kg 0 57 Copper Iron 18100 mg/kg 5.7 05/11/10 16:38 05/13/10 15:21 7439-89-6 05/11/10 16:38 05/13/10 15:21 7439-92-1 9.8 mg/kg 0.29 Lead Magnesium 3620 mg/kg 28.7 05/11/10 16.38 05/13/10 15:21 7439-95-4 0.57 05/11/10 16:38 05/13/10 15:21 7439-96-5 Manganese 190 mg/kg Molybdenum ND mg/kg 11 05/11/10 16:38 05/13/10 15:21 7439-98-7 05/11/10 16 38 05/13/10 15:21 7440-02-0 Nickel 17.5 mg/kg 1.1 Potassium 1180 mg/kg 28.7 05/11/10 16:38 05/13/10 15:21 7440-09-7 Selenium 0.29 05/11/10 16:38 05/13/10 15:21 7782-49-2 ND mg/kg Silver 0.24 mg/kg 0.11 05/11/10 16 38 05/13/10 15:21 7440-22-4 287 ND mg/kg 05/11/10 16:38 05/13/10 15:21 7440-23-5 Sodium Thallium ND mg/kg 1.1 05/11/10 16:38 05/13/10 15:21 7440-28-0 05/11/10 16:38 05/13/10 15:21 7440-62-2 Vanadium 10.5 mg/kg 0.57 1 Zinc 48.3 mg/kg 0.57 05/11/10 16.38 05/13/10 15:21 7440-66-6 Analytical Method. EPA 7471 Preparation Method: EPA 7471 7471 Mercury Mercury ND mg/kg 0.10 05/12/10 11:39 05/13/10 11:32 7439-97-6 8270 MSSV FULL LIST Analytical Method EPA 8270 Preparation Method: EPA 3546 MICROWAVE 366 05/11/10 16:25 05/12/10 19.36 83-32-9 Acenaphthene ND ug/kg Acenaphthylene ND ug/kg 366 05/11/10 16:25 05/12/10 19:36 208-96-8 366 Anthracene 05/11/10 16:25 05/12/10 19:36 120-12-7 ND ug/kg 1 ND ug/kg 366 05/11/10 16:25 05/12/10 19:36 103-33-3 Azobenzene 05/11/10 16:25 05/12/10 19:36 56-55-3 366 Benzo(a)anthracene ND ug/kg ND ug/kg 366 05/11/10 16:25 05/12/10 19:36 50-32-8 Benzo(a)pyrene 366 05/11/10 16:25 05/12/10 19:36 205-99-2 Benzo(b)fluoranthene ND ug/kg ND ug/kg 366 05/11/10 16:25 05/12/10 19 36 191-24-2 Benzo(g,h,i)perylene Benzo(k)fluoranthene 366 05/11/10 16:25 05/12/10 19:36 207-08-9 ND ug/kg Benzoic acid ND ug/kg 916 05/11/10 16.25 05/12/10 19:36 65-85-0 Benzyl alcohol ND ug/kg 366 05/11/10 16.25 05/12/10 19:36 100-51-6 4-Bromophenylphenyl ether ND ug/kg 366 05/11/10 16:25 05/12/10 19:36 101-55-3 ND ug/kg 366 05/11/10 16:25 05/12/10 19 36 85-68-7 Butylbenzylphthalate Carbazole ND ug/kg 366 05/11/10 16.25 05/12/10 19:36 86-74-8 4-Chloro-3-methylphenol ND ug/kg 366 05/11/10 16.25 05/12/10 19:36 59-50-7 1

Date: 05/14/2010 03:55 PM

4-Chloroaniline

REPORT OF LABORATORY ANALYSIS

366

ND ug/kg

Page 51 of 86

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CABOT-EPA 006691

05/11/10 16.25 05/12/10 19:36 106-47-8



Pace Analytical Services, Inc.

1638 Roseytown Road - Suites 2,3,4 Greensburg, PA 15601

(724)850-5600

ANALYTICAL RESULTS

Project:

Pace Project No: 3027393

Sample: 2H/4H-10R	Lab ID: 30	27393019	Collected: 05/10/10	16:20	Received: 05	/11/10 10 00 N	fatrix: Solid	
Results reported on a "dry-weight	" basis							
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qua
8270 MSSV FULL LIST MICROWAVE	Analytical Me	thod: EPA 8	270 Preparation Metho	d: EPA	3546			
bis(2-Chloroethoxy)methane	ND u	g/kg	366	1	05/11/10 16:25	05/12/10 19:36	111-91-1	
bis(2-Chloroethyl) ether	ND u	g/kg	366	1	05/11/10 16:25	05/12/10 19.36	111-44-4	
bis(2-Chloroisopropyl) ether	ND u	g/kg	366	1	05/11/10 16:25	05/12/10 19.36	108-60-1	
2-Chloronaphthalene	ND u	g/kg	366	1	05/11/10 16:25	05/12/10 19.36	91-58-7	
2-Chlorophenol	ND u	g/kg	366	1	05/11/10 16.25	05/12/10 19 36	95-57-8	
4-Chlorophenylphenyl ether	ND u		366	1	05/11/10 16 25	05/12/10 19:36	7005-72-3	
Chrysene	ND u	g/kg	366	1	05/11/10 16.25	05/12/10 19:36	218-01-9	
Dibenz(a,h)anthracene	ND u	g/kg	366	1	05/11/10 16:25	05/12/10 19:36	53-70-3	
Dibenzofuran	ND u		366	1	05/11/10 16:25	05/12/10 19:36	132-64-9	
1,2-Dichlorobenzene	ND u	g/kg	366	1	05/11/10 16:25	05/12/10 19:36	95-50-1	
1,3-Dichlorobenzene	ND u		366	1	05/11/10 16:25	05/12/10 19.36	541-73-1	
1,4-Dichlorobenzene	ND u	g/kg	366	1	05/11/10 16.25	05/12/10 19 36	106-46-7	
3,3'-Dichlorobenzidine	ND u		366	1		05/12/10 19.36		
2,4-Dichlorophenol	ND u		366	1		05/12/10 19:36		
Diethylphthalate	ND u		366	1		05/12/10 19:36		
2,4-Dimethylphenol	ND u		366	1		05/12/10 19:36		
Dimethylphthalate	ND u		366	1		05/12/10 19.36		
Di-n-butylphthalate	ND u		366	1		05/12/10 19 36		
4,6-Dinitro-2-methylphenol	ND u		916	1		05/12/10 19 36		
2,4-Dinitrophenol	ND u		916	1		05/12/10 19:36		
2,4-Dinitrotoluene	ND u		366	1		05/12/10 19:36		
2,6-Dinitrotoluene	ND u		366	1		05/12/10 19:36		
Di-n-octylphthalate	ND u		366	1		05/12/10 19:36		
bis(2-Ethylhexyl)phthalate	ND u		366	1		05/12/10 19.36		
Fluoranthene	ND u		366	1		05/12/10 19.36		
Fluorene	ND u		366	1		05/12/10 19:36		
Hexachloro-1.3-butadiene	ND u		366	1		05/12/10 19:36		
Hexachlorobenzene	ND u		366	1		05/12/10 19:36		
Hexachlorocyclopentadiene	ND u		366	1		05/12/10 19:36		
Hexachioroethane	ND u		366	1		05/12/10 19:36		
Indeno(1,2,3-cd)pyrene	ND U		366	1		05/12/10 19 36		
Isophorane	ND U		366	1		05/12/10 19 36		
1-Methylnaphthalene	ND U		366	1		05/12/10 19:36		
2-Methylnaphthalene	ND U		366	1		05/12/10 19:36		
2-Methylphenol(o-Cresol)	ND u		366	1		05/12/10 19:36		
3&4-Methylphenol(m&p Cresol)	ND u		732	1		05/12/10 19:36		
Naphthalene	ND t		732 366	1		05/12/10 19:36		
Napranaiene 2-Nitroaniline			916	1		05/12/10 19:36		
2-Nitroaniline 3-Nitroaniline	ND L		916	1				
	ND L		916 916	1		05/12/10 19:36		
4-Nitroaniline	ND L					05/12/10 19 36		
Nitrobenzene	ND u		366	1		05/12/10 19.36		
2-Nitrophenol	ND u		366	1		05/12/10 19.36		
4-Nitrophenol	ND u	-	366	1		05/12/10 19.36		
N-Nitrosodimethylamine	ND u		366	1		05/12/10 19:36		
N-Nitroso-di-n-propylamine	ND t	ıg/kg	366	1	05/11/10 16 25	05/12/10 19:36	621-64-7	

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REPORT OF LABORATORY ANALYSIS

Page 52 of 86

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CABOT-EPA 006692



ANALYTICAL RESULTS

Project:

Pace Project No.: 3027393

Lab ID: 3027393019 Collected: 05/10/10 16:20 Received: 05/11/10 10:00 Matrix: Solid Sample: 2H/4H-10R Results reported on a "dry-weight" basis Results Units Report Limit DF Prepared Analyzed CAS No. Qual Parameters 8270 MSSV FULL LIST Analytical Method: EPA 8270 Preparation Method: EPA 3546 MICROWAVE 05/11/10 16.25 05/12/10 19.36 86-30-6 N-Nitrosodiphenylamine ND ug/kg 366 Pentachlorophenol ND ug/kg 916 1 05/11/10 16:25 05/12/10 19:36 87-86-5 Phenanthrene ND ug/kg 366 1 05/11/10 16:25 05/12/10 19:36 85-01-8 Phenol ND ug/kg 366 1 05/11/10 16:25 05/12/10 19:36 108-95-2 ND ug/kg Pyrene 366 05/11/10 16:25 05/12/10 19:36 129-00-0 1,2,4-Trichlorobenzene ND ug/kg 366 05/11/10 16.25 05/12/10 19.36 120-82-1 916 05/11/10 16:25 05/12/10 19:36 95-95-4 2,4,5-Trichlorophenol ND ug/kg 05/11/10 16.25 05/12/10 19 36 88-06-2 366 2,4,6-Trichlorophenol ND ug/kg 35-114 05/11/10 16:25 05/12/10 19:36 4165-60-0 Nitrobenzene-d5 (S) 75 % 43-116 05/11/10 16:25 05/12/10 19:36 321-60-8 2-Fluorobiphenyl (S) 90 % 100 % 33-141 05/11/10 16:25 05/12/10 19:36 1718-51-0 Terphenyl-d14 (S) 10-110 05/11/10 16:25 05/12/10 19:36 13127-88-3 Phenol-d6 (S) 77 % 79 % 21-110 05/11/10 16:25 05/12/10 19 36 367-12-4 2-Fluorophenol (S) 10-123 05/11/10 16:25 05/12/10 19:36 118-79-6 99 % 2,4,6-Tribromophenol (S) 8260 MSV 5030 Low Level Analytical Method. EPA 8260 46.0 ug/kg 05/12/10 23:49 67-64-1 Acetone 8.2 1 05/12/10 23:49 71-43-2 Benzene ND ug/kg 4.1 05/12/10 23:49 74-97-5 Bromochloromethane ND ug/kg 4.1 05/12/10 23.49 75-27-4 Bromodichloromethane ND ug/kg 4.1 05/12/10 23:49 75-25-2 Bromoform ND ug/kg 4.1 4.1 05/12/10 23:49 74-83-9 Bromomethane ND ug/kg TOTAL BTEX 24.7 05/12/10 23:49 ND ug/kg 82 05/12/10 23:49 78-93-3 2-Butanone (MEK) ND ug/kg 05/12/10 23.49 104-51-8 n-Butylbenzene ND ug/kg 4.1 ND ug/kg 4.1 05/12/10 23:49 135-98-8 sec-Butylbenzene 05/12/10 23:49 75-15-0 ND ug/kg 4.1 Carbon disulfide ND ug/kg 4.1 05/12/10 23:49 56-23-5 Carbon tetrachloride 05/12/10 23:49 108-90-7 ND ug/kg 41 Chlorobenzene 1 Chloroethane ND ug/kg 4.1 05/12/10 23.49 75-00-3 05/12/10 23:49 67-66-3 4.1 Chloroform ND ug/kg ND ug/kg 4.1 05/12/10 23:49 74-87-3 Chloromethane 05/12/10 23.49 124-48-1 4.1 Dibromochloromethane ND ug/kg 1.2-Dichlorobenzene ND ug/kg 4.1 05/12/10 23:49 95-50-1 05/12/10 23:49 541-73-1 4.1 1.3-Dichlorobenzene ND ug/kg 1.4-Dichlorobenzene ND ug/kg 4.1 05/12/10 23:49 106-46-7 05/12/10 23:49 75-34-3 1.1-Dichloroethane ND ug/kg 4.1 1,2-Dichloroethane ND ug/kg 4.1 05/12/10 23:49 107-06-2 8.2 05/12/10 23:49 540-59-0 ND ug/kg 1,2-Dichloroethene (Total) 1,1-Dichloroethene ND ug/kg 4.1 05/12/10 23:49 75-35-4 ND ug/kg 4.1 05/12/10 23:49 156-59-2 cis-1.2-Dichloroethene trans-1,2-Dichloroethene ND ug/kg 4.1 05/12/10 23:49 156-60-5 ND ug/kg 4 1 05/12/10 23:49 78-87-5 1,2-Dichloropropane 1 cis-1,3-Dichloropropene ND ug/kg 4.1 05/12/10 23 49 10061-01-5 trans-1,3-Dichloropropene ND ug/kg 05/12/10 23:49 10061-02-6

Date: 05/14/2010 03 55 PM

REPORT OF LABORATORY ANALYSIS

Page 53 of 86

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CABOT-EPA 006693



ANALYTICAL RESULTS

Project:

302730

Pace Project No 3027393

Sample: 2H/4H-10R Lab ID: 3027393019 Collected: 05/10/10 16.20 Received: 05/11/10 10:00 Matrix. Solid Results reported on a "dry-weight" basis Results DF CAS No. Parameters Units Report Limit Prepared Analyzed Qual Analytical Method. EPA 8260 8260 MSV 5030 Low Level Ethylbenzene ND ug/kg 4.1 05/12/10 23:49 100-41-4 2-Hexanone ND ug/kg 8.2 05/12/10 23:49 591-78-6 1 Isopropylbenzene (Cumene) ND ug/kg 4.1 05/12/10 23:49 98-82-8 05/12/10 23:49 99-87-6 p-Isopropyltoluene ND ug/kg 4.1 Methylene Chloride ND ug/kg 4.1 05/12/10 23:49 75-09-2 4-Methyl-2-pentanone (MIBK) 05/12/10 23:49 108-10-1 8.2 ND ug/kg ND ug/kg Methyl-tert-butyl ether 4.1 05/12/10 23 49 1634-04-4 Naphthalene ND ug/kg 05/12/10 23:49 91-20-3 4.1 n-Propylbenzene ND ug/kg 4.1 05/12/10 23.49 103-65-1 4.1 05/12/10 23.49 100-42-5 Styrene ND ug/kg 1 1,1,2,2-Tetrachloroethane ND ug/kg 4.1 05/12/10 23 49 79-34-5 Tetrachloroethene ND ug/kg 4.1 05/12/10 23:49 127-18-4 Toluene ND ug/kg 4.1 05/12/10 23.49 108-88-3 1,2,4-Trichlorobenzene ND ug/kg 4.1 05/12/10 23.49 120-82-1 1,1,1-Trichloroethane ND ug/kg 4.1 05/12/10 23:49 71-55-6 1,1,2-Trichloroethane ND ug/kg 4.1 05/12/10 23.49 79-00-5 Trichloroethene ND ug/kg 4.1 05/12/10 23:49 79-01-6 1,2,4-Trimethylbenzene ND ug/kg 4.1 1 05/12/10 23:49 95-63-6 05/12/10 23:49 108-67-8 1,3,5-Trimethylbenzene ND ug/kg 4.1 Vinyl chloride ND ug/kg 4.1 05/12/10 23 49 75-01-4 Xylene (Total) ND ug/kg 12.3 05/12/10 23:49 1330-20-7 m&p-Xylene ND ug/kg 8.2 05/12/10 23:49 179601-23-1 05/12/10 23:49 95-47-6 o-Xylene ND ug/kg 4.1 1 Toluene-d8 (S) 87 % 70-130 1 05/12/10 23:49 2037-26-5 05/12/10 23:49 460-00-4 4-Bromofluorobenzene (S) 101 % 70-130 1 1,2-Dichloroethane-d4 (S) 05/12/10 23:49 17060-07-0 S0 139 % 70-130 Analytical Method: ASTM D2974-87 Percent Moisture Percent Moisture 9.4 % 0.10 1 05/12/10 15:03

Analytical Method, EPA 350 1

25.8 mg/kg

Date, 05/14/2010 03:55 PM

350.1 Ammonia

Nitrogen, Ammonia

REPORT OF LABORATORY ANALYSIS

5.0

Page 54 of 86

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CABOT-EPA 006694

05/12/10 15:29 7664-41-7



ANALYTICAL RESULTS

Project:

Pace Project No: 3027393

Sample: 2H/4H-10R ASTM	Lab ID: 302	7393020	Collected: 05/10/1	10 16:20	Received: 05	5/11/10 10:00 M	atrix. Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
5540C MBAS Surfactants	Analytical Met	hod. SM 554	oc					
Surfactants	ND m	g/L	0.10	1		05/13/10 14:08		2c
4500 Chloride	Analytical Met	hod: SM 450	0-CI-E					
Chloride	ND m	ıg/L	30	1		05/12/10 20:45	16887-00-6	

Date: 05/14/2010 03:55 PM

REPORT OF LABORATORY ANALYSIS

Page 55 of 86

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CABOT-EPA 006695



(724)850-5600

ANALYTICAL RESULTS

Project:

2027

Pace Project No. 3027393

Solid
S No. Qua
-90-5
-36-0
-38-2
-39-3
-41-7
-42-8
-43-9
-70-2
-70-2 -47 - 3
-47-3 -48-4
- 40-4 -50-8
-89-6
-09-0 -92-1
-92-1 -95-4
-96-5 -00-7
-98-7
-02-0
-09-7
-49-2
-22-4
-23-5
-28-0
-62-2
-66-6
-97-6
2-9
96-8
12-7
33-3
5-3
2-8
99-2
24-2
08-9
5-0
5-0 5 1-6
55-3
8-7
5-7 4-8
4-0 0-7
J-7 4 7- 8
2000

Date: 05/14/2010 03:55 PM

REPORT OF LABORATORY ANALYSIS

Page 56 of 86

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CABOT-EPA 006696



ANALYTICAL RESULTS

Project:

Pace Project No.: 3027393

Sample: 2H/4H-11R Collected: 05/10/10 16:45 Received: 05/11/10 10 00 Matrix: Solid Lab ID: 3027393021 Results reported on a "dry-weight" basis **Parameters** Results Units Report Limit DF Prepared Analyzed CAS No. Qual 8270 MSSV FULL LIST Analytical Method: EPA 8270 Preparation Method: EPA 3546 **MICROWAVE** bis(2-Chloroethoxy)methane ND ug/kg 384 05/11/10 16.25 05/12/10 19:58 111-91-1 bis(2-Chloroethyl) ether 384 ND ug/kg 1 05/11/10 16:25 05/12/10 19.58 111-44-4 bis(2-Chloroisopropyl) ether ND ug/kg 384 1 05/11/10 16:25 05/12/10 19:58 108-60-1 2-Chloronaphthalene ND ug/kg 384 05/11/10 16 25 05/12/10 19:58 91-58-7 2-Chlorophenol ND ug/kg 384 05/11/10 16:25 05/12/10 19 58 95-57-8 4-Chlorophenylphenyl ether ND ug/kg 384 05/11/10 16:25 05/12/10 19:58 7005-72-3 Chrysene ND ug/kg 384 05/11/10 16:25 05/12/10 19:58 218-01-9 Dibenz(a,h)anthracene ND ug/kg 384 05/11/10 16:25 05/12/10 19.58 53-70-3 Dibenzofuran ND ug/kg 384 05/11/10 16:25 05/12/10 19:58 132-64-9 1,2-Dichlorobenzene ND ug/kg 384 05/11/10 16:25 05/12/10 19:58 95-50-1 1.3-Dichlorobenzene ND ug/kg 384 05/11/10 16:25 05/12/10 19.58 541-73-1 1,4-Dichlorobenzene ND ug/kg 384 05/11/10 16 25 05/12/10 19:58 106-46-7 3.3'-Dichlorobenzidine ND ug/kg 384 05/11/10 16:25 05/12/10 19:58 91-94-1 2,4-Dichlorophenol ND ug/kg 384 05/11/10 16:25 05/12/10 19.58 120-83-2 1 Diethylphthalate 05/11/10 16 25 05/12/10 19:58 84-66-2 ND ug/kg 384 2,4-Dimethylphenol ND ug/kg 384 05/11/10 16.25 05/12/10 19:58 105-67-9 Dimethylphthalate ND ug/kg 384 05/11/10 16:25 05/12/10 19:58 131-11-3 Di-n-butylphthalate ND ug/kg 384 05/11/10 16:25 05/12/10 19:58 84-74-2 1 4,6-Dinitro-2-methylphenol 05/11/10 16:25 05/12/10 19:58 534-52-1 ND ug/kg 961 2,4-Dinitrophenol ND ug/kg 961 05/11/10 16:25 05/12/10 19:58 51-28-5 2.4-Dinitrotoluene ND ug/kg 384 05/11/10 16:25 05/12/10 19:58 121-14-2 2,6-Dinitrotoluene ND ug/kg 384 1 05/11/10 16.25 05/12/10 19:58 606-20-2 Di-n-octylphthalate 05/11/10 16:25 05/12/10 19:58 117-84-0 ND ug/kg 384 bis(2-Ethylhexyl)phthalate ND ug/kg 384 05/11/10 16 25 05/12/10 19:58 117-81-7 Fluoranthene 384 ND ug/kg 05/11/10 16:25 05/12/10 19:58 206-44-0 Fluorene ND ug/kg 384 05/11/10 16:25 05/12/10 19.58 86-73-7 1 Hexachloro-1.3-butadiene ND ug/kg 384 05/11/10 16:25 05/12/10 19:58 87-68-3 Hexachlorobenzene ND ug/kg 384 05/11/10 16.25 05/12/10 19.58 118-74-1 Hexachlorocyclopentadiene ND ug/kg 384 05/11/10 16:25 05/12/10 19:58 77-47-4 Hexachloroethane ND ug/kg 384 05/11/10 16:25 05/12/10 19:58 67-72-1 Indeno(1,2,3-cd)pyrene ND ug/kg 384 05/11/10 16 25 05/12/10 19:58 193-39-5 Isophorone ND ug/kg 384 05/11/10 16 25 05/12/10 19.58 78-59-1 1-Methylnaphthalene ND ug/kg 384 05/11/10 16:25 05/12/10 19:58 90-12-0 2-Methylnaphthalene ND ug/kg 384 05/11/10 16:25 05/12/10 19:58 91-57-6 2-Methylphenol(o-Cresol) ND ug/kg 384 05/11/10 16:25 05/12/10 19:58 95-48-7 3&4-Methylphenol(m&p Cresol) ND ug/kg 768 05/11/10 16:25 05/12/10 19:58 Naphthalene 384 ND ug/kg 05/11/10 16:25 05/12/10 19:58 91-20-3 2-Nitroaniline ND ug/kg 961 05/11/10 16 25 05/12/10 19:58 88-74-4 1 3-Nitroaniline ND ug/kg 961 05/11/10 16:25 05/12/10 19:58 99-09-2 4-Nitroaniline ND ug/kg 961 05/11/10 16.25 05/12/10 19.58 100-01-6 Nitrobenzene ND ug/kg 384 05/11/10 16:25 05/12/10 19:58 98-95-3

N-Nitroso-di-n-propylamine

Date: 05/14/2010 03.55 PM

N-Nitrosodimethylamine

2-Nitrophenol

4-Nitrophenol

REPORT OF LABORATORY ANALYSIS

384

384

384

384

Page 57 of 86

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ND ug/kg

ND ug/kg

ND ug/kg

ND ug/kg



CABOT-EPA 006697

05/11/10 16:25 05/12/10 19.58 88-75-5

05/11/10 16.25 05/12/10 19 58 100-02-7

05/11/10 16:25 05/12/10 19:58 62-75-9

05/11/10 16:25 05/12/10 19:58 621-64-7



Pace Analytical Services, Inc.

1638 Roseytown Road - Suites 2,3,4 Greensburg, PA 15601

(724)850-5600

ANALYTICAL RESULTS

Project.

Pace Project No.:

3027393

Sample: 2H/4H-11R	Lab ID: 3027393	Collected.	05/10/1	10 16.45	Received 05	/11/10 10:00	Matrix: Solid	
Results reported on a "dry-weig Parameters		Units Repor	t Limit	DF	Prepared	Angluzad	CAS No.	Qual
		Units Repor		Dr	Prepared	Analyzed	CAS NO.	
8270 MSSV FULL LIST MICROWAVE	Analytical Method	EPA 8270 Prepara	tion Met	hod. EPA	3546			
N-Nitrosodiphenylamine	ND ug/kg		384	1	05/11/10 16:25	05/12/10 19.58	8 86-30-6	
Pentachlorophenol	ND ug/kg		961	1	05/11/10 16:25	05/12/10 19.58	87-86-5	
Phenanthrene	ND ug/kg		384	1	05/11/10 16:25	05/12/10 19.58	85-01-8	
Phenol	ND ug/kg		384	1	05/11/10 16:25	05/12/10 19.58	8 108-95-2	
Pyrene	ND ug/kg		384	1	05/11/10 16:25	05/12/10 19:58	8 129-00-0	
1,2,4-Trichlorobenzene	ND ug/kg		384	1	05/11/10 16:25	05/12/10 19:5	8 120-82-1	
2,4,5-Trichlorophenol	ND ug/kg		961	1	05/11/10 16:25	05/12/10 19:58	8 9 5- 95 -4	
2,4,6-Trichlorophenol	ND ug/kg		384	1	05/11/10 16 25	05/12/10 19:58	8 88-06-2	
Nitrobenzene-d5 (S)	60 %		35-114	1	05/11/10 16 25	05/12/10 19:58	8 4165-60-0	
2-Fluorobiphenyi (S)	81 %		43-116	1	05/11/10 16:25	05/12/10 19 58	321-60-8	
Terphenyl-d14 (S)	108 %		33-141	1	05/11/10 16:25	05/12/10 19 58	8 1718-51-0	
Phenol-d6 (S)	62 %		10-110	1	05/11/10 16:25	05/12/10 19.58	8 13127-88-3	
2-Fluorophenol (S)	59 %		21-110	1	05/11/10 16:25	05/12/10 19:58	8 367-12-4	
2,4,6-Tribromophenol (S)	100 %		10-123	1	05/11/10 16:25	05/12/10 19:58	8 118-79-6	
8260 MSV 5030 Low Level	Analytical Method	EPA 8260						
Acetone	129 ug/kg		8.8	1		05/13/10 00 1	3 67-64-1	
Benzene	ND ug/kg		4.4	1		05/13/10 00.1		
Bromochloromethane	ND ug/kg		4.4	1		05/13/10 00:1	3 74-97-5	
Bromodichloromethane	ND ug/kg		4.4	1		05/13/10 00:1		
Bromoform	ND ug/kg		4.4	1		05/13/10 00:1:	3 75-25-2	
Bromomethane	ND ug/kg		4.4	1		05/13/10 00:1		
TOTAL BTEX	ND ug/kg		26.3	1		05/13/10 00.13	3	
2-Butanone (MEK)	12.8 ug/kg		8.8	1		05/13/10 00.1	3 78-93-3	
n-Butylbenzene	ND ug/kg		4.4	1		05/13/10 00.1	3 104-51-8	
sec-Butylbenzene	ND ug/kg		4.4	1		05/13/10 00.1	3 135-98-8	
Carbon disulfide	ND ug/kg		4.4	1		05/13/10 00:1	3 75-15-0	
Carbon tetrachloride	ND ug/kg		4.4	1		05/13/10 00:1	3 56-23-5	
Chlorobenzene	ND ug/kg		44	1		05/13/10 00:1	3 108-90-7	
Chloroethane	ND ug/kg		4.4	1		05/13/10 00:1	3 75-00-3	
Chloroform	ND ug/kg		4.4	1		05/13/10 00:1	3 67-66-3	
Chloromethane	ND ug/kg		4.4	1		05/13/10 00 1	3 74-87-3	
Dibromochloromethane	ND ug/kg		4.4	1		05/13/10 00.1	3 124-48-1	
1,2-Dichlorobenzene	ND ug/kg		4.4	1		05/13/10 00:1	3 95-50-1	
1,3-Dichlorobenzene	ND ug/kg		4.4	1		05/13/10 00:1	3 541-73-1	
1,4-Dichlorobenzene	ND ug/kg		4.4	1		05/13/10 00:1	3 106-46-7	
1,1-Dichloroethane	ND ug/kg		44	1		05/13/10 00:1	3 75-34-3	
1,2-Dichloroethane	ND ug/kg		44	1		05/13/10 00:1	3 107-06-2	
1,2-Dichloroethene (Total)	ND ug/kg		88	1		05/13/10 00.1	3 540-59-0	
1,1-Dichloroethene	ND ug/kg		4.4	1		05/13/10 00.1		
cis-1,2-Dichloroethene	ND ug/kg		4.4	1		05/13/10 00.1	3 156-59-2	
trans-1,2-Dichloroethene	ND ug/kg		4.4	1		05/13/10 00.1		
1,2-Dichloropropane	ND ug/kg		4.4	1		05/13/10 00 1		
cis-1,3-Dichloropropene	ND ug/kg		4.4	1			3 10061-01-5	
trans-1,3-Dichloropropene	ND ug/kg		4.4	1			3 10061-02-6	

Date: 05/14/2010 03:55 PM

REPORT OF LABORATORY ANALYSIS

Page 58 of 86

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CABOT-EPA 006698



ANALYTICAL RESULTS

Project:

Pace Project No.: 3027393

Sample: 2H/4H-11R	Lab ID: 30273	393021	Collected: 05/10/	16 45	Received: 0	5/11/10 10 00	Matrix: Solid	
Results reported on a "dry-weigh	t" basis							
Parameters	Results	Units.	Report Limit	DF	Prepared	Analyzed	CAS No.	Qua
8260 MSV 5030 Low Level	Analytical Metho	od: EPA 82	260					
Ethylbenzene	ND ug/k	g	4.4	1		05/13/10 00:1	3 100-41-4	
2-Hexanone	ND ug/k	(g	8.8	1		05/13/10 00 1	3 591-78-6	
Isopropylbenzene (Cumene)	ND ug/k	(g	4.4	1		05/13/10 00:1	3 98-82-8	
p-Isopropyltoluene	ND ug/k	g	4.4	1		05/13/10 00:1	3 99-87-6	
Methylene Chloride	ND ug/k	κg	4.4	1		05/13/10 00:1	3 75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/k	κg	8.8	1		05/13/10 00:1	3 108-10-1	
Methyl-tert-butyl ether	ND ug/k	g	4.4	1		05/13/10 00.1	3 1634-04-4	
Naphthalene	ND ug/k	(g	4.4	1		05/13/10 00:1	3 91-20-3	
n-Propylbenzene	ND ug/k	g	4.4	1		05/13/10 00:1	3 103-65-1	
Styrene	ND ug/k	(g	4.4	1		05/13/10 00:1	3 100-42-5	
1,1,2,2-Tetrachloroethane	ND ug/k	(g	4.4	1		05/13/10 00.1	3 79-34-5	
Tetrachloroethene	ND ug/k	(g	4 4	1		05/13/10 00:1	3 127-18-4	
Toluene	ND ug/k	κg	4.4	1		05/13/10 00·1	3 108-88-3	
1,2,4-Trichlorobenzene	ND ug/k	κg	4 4	1		05/13/10 00:1	3 120-82-1	
1,1,1-Trichloroethane	ND ug/k	v g	4.4	1		05/13/10 00:1	3 71- 5 5-6	
1,1,2-Trichloroethane	ND ug/k	κg	44	1		05/13/10 00:1	3 79-00-5	
Trichloroethene	ND ug/k	κġ	4.4	1		05/13/10 00:1	3 79-01-6	
1,2,4-Trimethylbenzene	ND ug/l	κġ	4.4	1		05/13/10 00:1	3 95-63-6	
1,3,5-Trimethylbenzene	ND ug/l	√g	44	1		05/13/10 00:1	3 108-67-8	
Vinyl chloride	ND ug/k	κġ	4.4	1		05/13/10 00:1	3 75-01-4	
Xylene (Total)	ND ug/l	κ g	13 1	1		05/13/10 00:1	3 1330-20-7	
m&p-Xylene	ND ug/l	κ g	8.8	1		05/13/10 00.1	3 179601-23-1	
o-Xylene	ND ug/l	κg	4 4	1		05/13/10 00:1	3 95-47-6	
Toluene-d8 (S)	97 %	•	70-130	1		05/13/10 00:1	3 2037-26-5	
4-Bromofluorobenzene (S)	108 %		70-130	1		05/13/10 00:1	3 460-00-4	
1,2-Dichloroethane-d4 (S)	124 %		70-130	1		05/13/10 00:1	3 17060-07-0	
Percent Moisture	Analytical Metho	od: ASTM	D2974-87					
Percent Moisture	14.1 %		0.10	1		05/12/10 15 0	4	
350.1 Ammonia	Analytical Metho	od: EPA 3	50.1					
Nitrogen, Ammonia	31.4 mg/	′kg	5.5	1		05/12/10 15:3	2 7664-41-7	

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REPORT OF LABORATORY ANALYSIS

Page 59 of 86

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CABOT-EPA 006699



Pace Analytical Services, Inc.

1638 Roseytown Road - Suites 2,3,4 Greensburg, PA 15601

(724)850-5600

ANALYTICAL RESULTS

Project

Pace Project No.: 3027393

Sample: 2H/4H-11R ASTM	Lab ID: 3027	393022	Collected 05/	10/10 16	45 Received:	05/11/10 10:00	Matrix: Water	
Parameters	Results	Units	Report Lin	nit DF	Prepared	Analyzed	CAS No.	Qual
5540C MBAS Surfactants	Analytical Metho	od: SM 5540	oc					
Surfactants	ND mg/	'L	0	10 1		05/13/10 14:0	В	2c
4500 Chloride	Analytical Metho	od: SM 4500)-CI-E					
Chloride	ND mg/	'L	;	3.0 1		05/12/10 20 4	8 16887-00-6	

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REPORT OF LABORATORY ANALYSIS

Page 60 of 86

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CABOT-EPA 006700



ANALYTICAL RESULTS

Project: 3027393

Sample: 2H/4H-12R Lab ID: 3027393023 Collected: 05/10/10 17:15 Received. 05/11/10 10:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qu
6010 MET ICP	Analytical Meth	nod: EPA 601	OB Preparation Me	thod: E	EPA 3050			
Aluminum	10400 mg	g/kg	6.4	1	05/11/10 16:38	05/13/10 15:26	7429-90-5	
Antimony	ND mg	g/kg	0 32	1	05/11/10 16 38	05/13/10 15:26	7440-36-0	
Arsenic	13.7 mg	g/kg	0.32	1	05/11/10 16:38	05/13/10 15:26	7440-38-2	
Barium	365 mg	g/kg	1.3	1	05/11/10 16:38	05/13/10 15:26	7440-39-3	
Beryllium	0.46 mg		0.13	1	05/11/10 16.38	05/13/10 15:26	7440-41-7	
Boron	5.7 mg	g/kg	3.2	1	05/11/10 16:38	05/13/10 15 26	7440-42-8	
Cadmium	ND mg	g/kg	0 13	1	05/11/10 16 38	05/13/10 15:26	7440-43-9	
Calcium	1250 mg	g/kg	128	1	05/11/10 16:38	05/13/10 15 26	7440-70-2	
Chromium	12.6 mg	g/kg	0 32	1	05/11/10 16:38	05/13/10 15:26	7440-47-3	
Cobalt	9.3 mg	g/kg	0.64	1	05/11/10 16:38	05/13/10 15:26	7440-48-4	
Copper	8.1 mg		0.64	1	05/11/10 16:38	05/13/10 15 26	7440-50-8	
ron	20300 mg		6.4	1	05/11/10 16 [.] 38	05/13/10 15:26	7439-89-6	
Lead	6.6 mg		0.32	1	05/11/10 16:38	05/13/10 15 26	7439-92-1	
Magnesium	3940 mg		32.1	1		05/13/10 15:26		
Manganese	181 mg		0.64	1	05/11/10 16:38	05/13/10 15:26	7439-96-5	
Molybdenum	ND mg		1.3	1	05/11/10 16:38	05/13/10 15.26	7439-98-7	
Nickel	16.2 mg		1.3	1	05/11/10 16 38	05/13/10 15:26	7440-02-0	
Potassium	1450 mg		32,1	1		05/13/10 15:26		
Selenium	ND mg		0 32	1		05/13/10 15:26		
Silver	0.19 mg		0.13	1		05/13/10 15:26		
Sodium	ND m		321	1		05/13/10 15:26		
Thallium	ND m		1.3	1		05/13/10 15:26		
Vanadium	11.6 m		0.64	1		05/13/10 15:26		
Zinc	46.7 m	• •	0 64	1		05/13/10 15:26		
7471 Mercury		-	1 Preparation Met	họd [.] Ei	PA 7471			
Mercury	ND m	g/kg	0.11	1	05/12/10 11.39	05/13/10 11:35	7439-97 - 6	
8270 MSSV FULL LIST MICROWAVE	Analytical Met	hod: EPA 827	0 Preparation Met	hod. E	PA 3546			
Acenaphthene	ND ug	;/kg	361	1	05/11/10 16:25	05/12/10 20:21	83-32-9	
Acenaphthylene	ND ug		361	1		05/12/10 20:21		
Anthracene	ND ug		361	1		05/12/10 20:21		
Azobenzene	ND ug		361	1		05/12/10 20:21		
Benzo(a)anthracene	ND ug		361	1		05/12/10 20.21		
Benzo(a)pyrene	ND ug		361	1		05/12/10 20.21		
Benzo(b)fluoranthene	ND ug		361	1		05/12/10 20:21		
Benzo(g,h,i)perylene	ND us	-	361	1		05/12/10 20 21		
Benzo(k)fluoranthene	ND ug		361	1		05/12/10 20:21		
Benzoic acid	ND ug		903	1		05/12/10 20:21		
Benzyl alcohol	ND ug		361	1		05/12/10 20 21		
4-Bromophenylphenyl ether	ND ug		361	1		05/12/10 20:21		
Butylbenzylphthalate	ND uş		361	1		05/12/10 20:21		
Carbazole	ND ug		361	1		05/12/10 20:21		
4-Chloro-3-methylphenol	ND us	-	361	1		05/12/10 20:21		
4-Chloroaniline	ND uş		361	1		05/12/10 20:21		

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REPORT OF LABORATORY ANALYSIS

Page 61 of 86

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CABOT-EPA 006701



ANALYTICAL RESULTS

Project:
Pace Project No 3027

Sample: 2H/4H-12R	Lab ID: 3027393023	Collected	05/10/1	0 17:15	Received (05/11/10 10 00	Matrix: Solid	
Results reported on a "dry-weight	" basis							
Parameters	Results Unit	s Report	Limit	DF	Prepared	Analyzed	CAS No.	Qu
8270 MSSV FULL LIST MICROWAVE	Analytical Method: EPA	∖ 8270 Preparat⊪	on Meti	nod: EPA	3546			
bis(2-Chloroethoxy)methane	ND ug/kg		361	1	05/11/10 16:2	5 05/12/10 20:2	1 111-91-1	
bis(2-Chloroethyl) ether	ND ug/kg		361	1	05/11/10 16:2	5 05/12/10 20:2	1 111-44-4	
bis(2-Chloroisopropyl) ether	ND ug/kg		361	1	05/11/10 16.2	5 05/12/10 20:2	1 108-60-1	
2-Chloronaphthalene	ND ug/kg		361	1	05/11/10 16:2	5 05/12/10 20:2	1 91-58-7	
2-Chlorophenol	ND ug/kg		361	1	05/11/10 16 2	5 05/12/10 20:2	1 95-57-8	
4-Chlorophenylphenyl ether	ND ug/kg		361	1		5 05/12/10 20:2		
Chrysene	ND ug/kg		361	1		5 05/12/10 20:2		
Dibenz(a,h)anthracene	ND ug/kg		361	1		5 05/12/10 20:2		
Dibenzofuran	ND ug/kg		361	1		5 05/12/10 20:2		
1,2-Dichlorobenzene	ND ug/kg		361	1		5 05/12/10 20:2		
1,3-Dichlorobenzene	ND ug/kg		361	1		5 05/12/10 20.2		
1,4-Dichlorobenzene	ND ug/kg		361	1		5 05/12/10 20:2		
3,3'-Dichlorobenzidine	ND ug/kg		361	1		5 05/12/10 20:2		
2,4-Dichlorophenol	ND ug/kg		361	1		5 05/12/10 20:2		
Diethylphthalate	ND ug/kg		361	1		5 05/12/10 20:2		
2,4-Dimethylphenol	ND ug/kg		361	1		5 05/12/10 20.2		
Dimethylphthalate	ND ug/kg		361	1		5 05/12/10 20:2		
Di-n-butylphthalate	ND ug/kg		361	1		5 05/12/10 20:2		
4,6-Dinitro-2-methylphenol	ND ug/kg		903	1		5 05/12/10 20:2		
2,4-Dinitrophenol	ND ug/kg		903	1		5 05/12/10 20:2		
2,4-Dinitrotoluene	ND ug/kg		361	1		5 05/12/10 20:2		
2,6-Dinitrotoluene	ND ug/kg		361	1		5 05/12/10 20:2		
Di-n-octylphthalate	ND ug/kg		361	1		5 05/12/10 20.2		
bis(2-Ethylhexyl)phthalate	ND ug/kg		361	1		5 05/12/10 20:2		
Fluoranthene	ND ug/kg		361	1		5 05/12/10 20 2		
Fiuorene	ND ug/kg		361	1		5 05/12/10 20 2		
Hexachloro-1,3-butadiene	ND ug/kg		361	1		5 05/12/10 20 2		
Hexachlorobenzene	ND ug/kg		361	1		5 05/12/10 20:2 5 05/12/10 20:2		
Hexachlorocyclopentadiene	ND ug/kg		361	1		5 05/12/10 20:2 5 05/12/10 20:2		
Hexachloroethane	ND ug/kg		361	1		5 05/12/10 20:2 5 05/12/10 20:2		
Indeno(1,2,3-cd)pyrene	ND ug/kg		361	1		5 05/12/10 20:2 5 05/12/10 20:2		
Isophorone	ND ug/kg		361	1		5 05/12/10 20:2		
1-Methylnaphthalene	ND ug/kg		361	1		5 05/12/10 20:2 5 05/12/10 20:2		
2-Methylnaphthalene	ND ug/kg		361	1		5 05/12/10 20:2		
2-Methylphenol(o-Cresol)	ND ug/kg		361	1		5 05/12/10 20:2 5 05/12/10 20:2		
3&4-Methylphenol(m&p Cresol)			722					
Naphthalene	ND ug/kg		361	1 1		5 05/12/10 20:2		
2-Nitroaniline	ND ug/kg					5 05/12/10 20.2		
3-Nitroaniline	ND ug/kg		903 903	1		5 05/12/10 20.2		
4-Nitroaniline	ND ug/kg			1		5 05/12/10 20 2		
Nitrobenzene	ND ug/kg		903	1		5 05/12/10 20 2		
	ND ug/kg		361	1		5 05/12/10 20 2		
2-Nitrophenol	ND ug/kg		361	1		5 05/12/10 20.2		
4-Nitrophenol	ND ug/kg		361	1		5 05/12/10 20.2		
N-Nitrosodimethylamine	ND ug/kg		361	1		5 05/12/10 20:2		
N-Nitroso-di-n-propylamine	ND ug/kg		361	1	05/11/10 16:2	5 05/12/10 20:2	1 621-64-7	

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REPORT OF LABORATORY ANALYSIS

Page 62 of 86

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CABOT-EPA 006702



ANALYTICAL RESULTS

Project:

Pace Project No.: 3027393

Sample: 2H/4H-12R	Lab ID: 30273	393023	Collected. 05	/10/10	17:15	Received: 05	/11/10 10.00 N	Matrix: Solid	
Results reported on a "dry-weig Parameters	nt" pasis Results	Units	Report Li	mit	DF	Prepared	Analyzed	CAS No.	Qu
							7		
B270 MSSV FULL LIST MICROWAVE	Analytical Metho	d: EPA 8:	270 Preparation	Metho	od EPA	3546			
N-Nitrosodiphenylamine	ND ug/k	g		361	1	05/11/10 16:25	05/12/10 20:21	86-30-6	
Pentachlorophenol	ND ug/k	g		903	1	05/11/10 16:25	05/12/10 20:21	87-86-5	
Phenanthrene	ND ug/k	g		361	1	05/11/10 16.25	05/12/10 20:21	85-01-8	
Phenol	ND ug/k	g		361	1	05/11/10 16:25	05/12/10 20:21	108-95-2	
Pyrene	ND ug/k	g		361	1	05/11/10 16.25	05/12/10 20:21	129-00-0	
1,2,4-Trichlorobenzene	ND ug/k	g		361	1	05/11/10 16:25	05/12/10 20:21	120-82-1	
2,4,5-Trichlorophenol	ND ug/k	g		903	1	05/11/10 16:25	05/12/10 20:21	95-95-4	
2,4,6-Trichlorophenol	ND ug/k	-		361	1	05/11/10 16:25	05/12/10 20:21	88-06-2	
Nitrobenzene-d5 (S)	64 %	-	35-	114	1	05/11/10 16:25	05/12/10 20:21	4165-60-0	
2-Fluorobiphenyl (S)	80 %		43-	116	1		05/12/10 20:21		
Terphenyl-d14 (S)	105 %			141	1		05/12/10 20:21		
Phenol-d6 (S)	62 %		10-	110	1	05/11/10 16 25	05/12/10 20:21	13127-88-3	
2-Fluorophenol (S)	62 %		21-	110	1	05/11/10 16:25	05/12/10 20.21	367-12-4	
2,4,6-Tribromophenol (S)	88 %		10-	123	1	05/11/10 16.25	05/12/10 20:21	118-79-6	
8260 MSV 5030 Low Level	Analytical Metho	od: EPA 8	260						
Acetone	66.0 ug/k	(a		9.3	1		05/13/10 16 02	67-64-1	
Benzene	ND ug/k	-		4.7	1		05/13/10 16:02		
Bromochloromethane	ND ug/k	-		4.7	1		05/13/10 16:02		
Bromodichloromethane	ND ug/k	-		4.7	1		05/13/10 16.02		
Bromoform	ND ug/k	-		4.7	1		05/13/10 16:02		
Bromomethane	ND ug/l	_		4.7	1		05/13/10 16.02		
TOTAL BTEX	ND ug/l	-	:	28.0	1		05/13/10 16:02		
2-Butanone (MEK)	17.5 ug/l	-		9.3	1		05/13/10 16:02		
n-Butylbenzene	ND ug/l	•		4.7	1		05/13/10 16:02		
sec-Butylbenzene	ND ug/	-		4.7	1		05/13/10 16:02		
Carbon disulfide	34.4 ug/l	_		4.7	1		05/13/10 16.02		
Carbon tetrachloride	ND ug/l	-		4.7	1		05/13/10 16:02		
Chlorobenzene	ND ug/l	-		4.7	1		05/13/10 16 02		
Chloroethane	ND ug/l			4.7	1		05/13/10 16:02		
Chloroform	ND ug/l	-		4.7	1		05/13/10 16 02		
Chloromethane	ND ug/l	_		4.7	1		05/13/10 16.02		
Dibromochloromethane	ND ug/i	-		4.7	1		05/13/10 16:02		
1,2-Dichlorobenzene	ND ug/l	_		4.7	1		05/13/10 16 02		
1,3-Dichlorobenzene	ND ug/l	-		4.7	1		05/13/10 16:02		
1,4-Dichlorobenzene	ND ug/l	-		4.7	1		05/13/10 16:02		
1,1-Dichloroethane	ND ug/l	-		4.7	1		05/13/10 16.02		
1,2-Dichloroethane	ND ug/l	-		4.7	1		05/13/10 16:02		
1,2-Dichloroethene (Total)	ND ug/l	-		9.3	1		05/13/10 16:02		
1,1-Dichloroethene	ND ug/l	-		4.7	1		05/13/10 16:02		
cis-1,2-Dichloroethene	ND ug/l	-		4.7	1		05/13/10 16:02		
trans-1,2-Dichloroethene	ND ug/l	_		4.7	1		05/13/10 16 02		
1,2-Dichloropropane	ND ug/i	•		4.7	1		05/13/10 16:02		
cis-1,3-Dichloropropene	ND ug/l	-		4.7	1		05/13/10 16:02		
trans-1,3-Dichloropropene	ND ug/l	-		4.7	1		05/13/10 16:02		

Date: 05/14/2010 03:55 PM

REPORT OF LABORATORY ANALYSIS

Page 63 of 86

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CABOT-EPA 006703



ANALYTICAL RESULTS

Project:

Pace Project No: 3027393

Sample: 2H/4H-12R	Lab ID: 3027393023	Collected: 05/10/1	0 17:15	Received 0	5/11/10 10 00 N	Matrix: Solid	
Results reported on a "dry-weight	t" basis						
Parameters	Results Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5030 Low Level	Analytical Method. EPA 82	60					
Ethylbenzene	ND ug/kg	4.7	1		05/13/10 16 02	100-41-4	
2-Hexanone	ND ug/kg	9.3	1		05/13/10 16.02	591-78-6	
Isopropylbenzene (Cumene)	ND ug/kg	4.7	1		05/13/10 16.02	98-82-8	
p-Isopropyltoluene	ND ug/kg	4.7	1		05/13/10 16.02	99-87 - 6	
Methylene Chloride	ND ug/kg	4.7	1		05/13/10 16:02	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/kg	9.3	1		05/13/10 16 02	108-10-1	
Methyl-tert-butyl ether	ND ug/kg	4.7	1		05/13/10 16.02	1634-04-4	
Naphthalene	ND ug/kg	4.7	1		05/13/10 16.02	91-20-3	
n-Propylbenzene	ND ug/kg	4.7	1		05/13/10 16:02	103-65-1	
Styrene	ND ug/kg	4.7	1		05/13/10 16 02	100-42-5	
1,1,2,2-Tetrachloroethane	ND ug/kg	4.7	1		05/13/10 16:02	79-34-5	
Tetrachloroethene	ND ug/kg	4.7	1		05/13/10 16.02	127-18-4	
Toluene	ND ug/kg	4.7	1		05/13/10 16:02	108-88-3	
1,2,4-Trichlorobenzene	ND ug/kg	47	1		05/13/10 16:02	120-82-1	
1,1,1-Trichloroethane	ND ug/kg	47	1		05/13/10 16:02	71-55-6	
1,1,2-Trichloroethane	ND ug/kg	47	1		05/13/10 16:02	79-00-5	
Trichloroethene	ND ug/kg	4.7	1		05/13/10 16:02	79-01-6	
1,2,4-Trimethylbenzene	7.1 ug/kg	4.7	1		05/13/10 16.02		
1,3,5-Trimethylbenzene	ND ug/kg	4.7	1		05/13/10 16.02	108-67-8	
Vinyl chloride	ND ug/kg	4.7	1		05/13/10 16.02	75-01-4	
Xylene (Total)	ND ug/kg	14.0	1		05/13/10 16 02	1330-20-7	
m&p-Xylene	ND ug/kg	9.3	1		05/13/10 16:02	179601-23-1	
o-Xylene	ND ug/kg	4.7	1		05/13/10 16 02		
Toluene-d8 (S)	102 %	70-130	1		05/13/10 16.02		
4-Bromofluorobenzene (S)	109 %	70-130	1		05/13/10 16:02		
1,2-Dichloroethane-d4 (S)	99 %	70-130	1		05/13/10 16:02		
Percent Moisture	Analytical Method. ASTM	D2974-87					
Percent Moisture	10.5 %	0.10	1		05/12/10 15:04		
350.1 Ammonia	Analytical Method: EPA 35	50.1					
Nitrogen, Ammonia	29.0 mg/kg	4 9	1		05/12/10 15 ⁻ 33	7664-41-7	

Date: 05/14/2010 03.55 PM

REPORT OF LABORATORY ANALYSIS

Page 64 of 86

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CABOT-EPA 006704



ANALYTICAL RESULTS

Project.

0007

Pace Project No.: 3027393

Sample: 2H/4H-12R ASTM	Lab ID: 302	27393024	Collected: 05/10/1	10 17:15	Received. 05	5/11/10 10:00 N	latrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No	Qual
5540C MBAS Surfactants	Analytical Me	thod: SM 554	0C					
Surfactants	ND m	ng/L	0.10	1		05/13/10 14.08		2c
4500 Chloride	Analytical Me	thod: SM 450	0-CI-E					
Chloride	ND m	ng/L	3.0	1		05/12/10 20:49	16887-00-6	

Date: 05/14/2010 03:55 PM

REPORT OF LABORATORY ANALYSIS

Page 65 of 86

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CABOT-EPA 006705



QUALITY CONTROL DATA

Project

Pace Project No.:

3027393

QC Batch:

MPRP/3824

Analysis Method:

EPA 6010B

QC Batch Method:

EPA 3050

Analysis Description

6010 MET

Associated Lab Samples:

 $3027393001, 3027393003, 3027393005, 3027393007, 3027393009, 3027393011, 3027393013, 3027393015, \\ 3027393017, 3027393019, 3027393021, 3027393023$

METHOD BLANK: 168578 Associated Lab Samples:

3027393001, 3027393003, 3027393005, 3027393007, 3027393009, 3027393011, 3027393013, 3027393015, 3027393017, 3027393019, 3027393021, 3027393023

		Blank	Reporting		
Parameter	Units	Result	Limit	Analyzed	Qualifiers
Aluminum	mg/kg	ND	10.0	05/13/10 13:55	
Antimony	mg/kg	ND	0.50	05/13/10 13:55	
Arsenic	mg/kg	ND	0.50	05/13/10 13:55	
Barium	mg/kg	ND	2.0	05/13/10 13:55	
Beryllium	mg/kg	ND	0.20	05/13/10 13:55	
Boron	mg/kg	ND	5.0	05/13/10 13:55	
Cadmium	mg/kg	ND	0.20	05/13/10 13:55	
Calcium	mg/kg	ND	200	05/13/10 13:55	
Chromium	mg/kg	ND	0.50	05/13/10 13:55	
Cobalt	mg/kg	ND	1.0	05/13/10 13:55	
Copper	mg/kg	ND	1.0	05/13/10 13:55	
Iron	mg/kg	ND	10. 0	05/13/10 13:55	
Lead	mg/kg	ND	0.50	05/13/10 13:55	
Magnesium	mg/kg	ND	50.0	05/13/10 13:55	
Manganese	mg/kg	ND	1.0	05/13/10 13:55	
Molybdenum	mg/kg	ND	2.0	05/13/10 13.55	
Nickel	mg/kg	ND	2.0	05/13/10 13.55	
Potassium	mg/kg	ND	50.0	05/13/10 13 55	
Selenium	mg/kg	ND	0 50	05/13/10 13.55	
Silver	mg/kg	ND	0 20	05/13/10 13 55	
Sodium	mg/kg	ND	500	05/13/10 13 55	
Thallium	mg/kg	ND	2.0	05/13/10 13 55	
Vanadium	mg/kg	ND	1.0	05/13/10 13:55	
Zinc	mg/kg	ND	1.0	05/13/10 13:55	

LABORATORY CONTROL SAMPL	E: 168579					
		Spike	LCS	LCS	% Rec	
Parameter	Units	Conc.	Result	% Rec	Limits	Qualifiers
Aluminum	mg/kg	500	487	97	80-120	
Antimony	mg/kg	50	47.5	9 5	80-120	
Arsenic	mg/kg	50	46 7	93	80-120	
Barium	mg/kg	50	51 4	103	80-120	
Beryllium	mg/kg	50	50.1	100	80-120	
Boron	mg/kg	50	47.7	95	80-120	
Cadmium	mg/kg	50	48 6	97	80-120	
Calcium	mg/kg	500	473	95	80-120	
Chromium	mg/kg	50	50.0	100	80-120	
Cobalt	mg/kg	50	48.7	97	80-120	
Copper	mg/kg	50	51.4	103	80-120	
Iron	mg/kg	500	494	99	80-120	

Date: 05/14/2010 03:55 PM

REPORT OF LABORATORY ANALYSIS

Page 66 of 86

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CABOT-EPA 006706



QUALITY CONTROL DATA

Project:

Pace Project No ·

3027393

ABORATORY CONTROL SAMPLE:	168579					
		Spike	LCS	LCS	% Rec	
Parameter	Units	Conc.	Result	% Rec	Limits	Qualifiers
ead	mg/kg	50	47.8	96	80-120	
agnesium	mg/kg	500	469	94	80-120	
nganese	mg/kg	50	49.5	99	80-120	
lybdenum	mg/kg	50	51.2	102	80-120	
kel	mg/kg	50	49 2	98	80-120	
assium	mg/kg	500	455	91	80-120	
nium	mg/kg	50	41.8	84	80-120	
er	mg/kg	25	25.1	100	80-120	
um	mg/kg	500	492J	98	80-120	
llium	mg/kg	50	47.5	95	80-120	
adium	mg/kg	50	50.0	100	80-120	
	mg/kg	50	47.1	94	80-120	

MATRIX SPIKE SAMPLE:	168581						
		3027385001	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
Aluminum	mg/kg	11800	549	12200	82	80-120	
Antimony	mg/kg	2.0	54 9	21.2	35	80-120 N	<i>I</i> 11
Arsenic	mg/kg	99.2	54.9	115	28	80-120 N	/ 11
Barium	mg/kg	154	54.9	200	83	80-120	
Beryllium	mg/kg	0.74	54 9	43.3	78	80-120 N	И1
Boron	mg/kg	11.6	54.9	53.3	76	80-120 1	/ 11
Cadmium	mg/kg	ND	54.9	41 6	76	80-120	/ 11
Calcium	mg/kg	4760	549	770 0	536	80-120	/ 11
Chromium	mg/kg	12.7	54.9	54.6	76	80-120 1	/ 11
Cobalt	mg/kg	1.9	54 9	42 5	74	80-120	M 1
Copper	mg/kg	20.9	54.9	61.2	73	80-120 !	/ 11
Iron	mg/kg	14200	549	12700	-27 1	80-120	V 11
Lead	mg/kg	87.2	54 9	114	49	80-120	V1
Magnesium	mg/kg	537	549	1290	136	80-120 I	M1
Manganese	mg/kg	62.5	54.9	130	124	80-120	/ 11
Molybdenum	mg/kg	2.6	54 9	45.1	77	80-120	V 1
Nickel	mg/kg	6.4	54.9	45.9	72	80-120	V 11
Potassium	mg/kg	2770	549	3160	70	80-120	VI1
Selenium	mg/kg	9.2	54.9	44.4	64	80-120	VI1
Silver	mg/kg	0.25	27 4	24.4	88	80-120	
Sodium	mg/kg	600	549	981	69	80-120 I	V1
Thallium	mg/kg	2.7	54.9	44 5	76	80-120 !	M1
Vanadium	mg/kg	21.0	54 9	64.0	78	80-120	M1
Zinc	mg/kg	38 1	54.9	70.3	59	80-120 I	M1

SAMPLE DUPLICATE: 168580

3027385001 Dup RPD Parameter Units Result Result Qualifiers Aluminum 11800 12000 mg/kg

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REPORT OF LABORATORY ANALYSIS

Page 67 of 86

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CABOT-EPA 006707



QUALITY CONTROL DATA

Project:

Pace Project No.: 3027393

Parameter	Units	3027385001 Result	Dup Result	RPD	Qualifiers
Antimony	mg/kg	2.0	1.0	67	' R1
Arsenic	rng/kg	99.2	94.9	4	ļ
Barium	mg/kg	154	178	14	ļ
Beryllium	mg/kg	0.74	0 86	15	5
Boron	mg/kg	11.6	13.0	11	l
Cadmium	mg/kg	ND	ND		
Calcium	mg/kg	4760	6330	28	3 R1
Chromium	mg/kg	12.7	15. 0	17	7
Cobalt	mg/kg	1.9	2.2	16	3
Copper	mg/kg	20.9	25.0	18	3
Iron	mg/kg	14200	15000	6	3
Lead	mg/kg	87.2	91.5		5
Magnesium	mg/kg	537	822	42	2 R1
Manganese	mg/kg	62.5	158	86	5 R1
Molybdenum	mg/kg	26	2.8	6	3
Nickel	mg/kg	6.4	6.1		1
Potassium	mg/kg	2770	2930	(3
Selenium	mg/kg	9.2	10.7	18	5
Silver	mg/kg	0.25	0.30	18	3
Sodium	mg/kg	600	646	-	7
Thallium	mg/kg	27	.62J		
Vanadium	mg/kg	21 0	23.2	10)
Zinc	mg/kg	38.1	39.9		5

Date: 05/14/2010 03:55 PM

REPORT OF LABORATORY ANALYSIS

Page 68 of 86

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CABOT-EPA 006708



QUALITY CONTROL DATA

Project.

Pace Project No.: 3027393

QC Batch:

MERP/1900

Analysis Method:

EPA 7471

QC Batch Method:

EPA 7471

Analysis Description:

7471 Mercury

Associated Lab Samples:

3027393001, 3027393003, 3027393005, 3027393007, 3027393009, 3027393011, 3027393013, 3027393015, 3027393017, 3027393019, 3027393021, 3027393023

METHOD BLANK 168778

Associated Lab Samples:

3027393001, 3027393003, 3027393005, 3027393007, 3027393009, 3027393011, 3027393013, 3027393015,

3027393017, 3027393019, 3027393021, 3027393023

Blank

Reporting

Units

Result

Matrix: Solid

Limit Analyzed Qualifiers

Mercury

Mercury

Mercury

mg/kg

ND

0.10 05/13/10 11:08

LABORATORY CONTROL SAMPLE:

Parameter

Parameter

Parameter

168779

Spike Conc.

LCS Result

LCS % Rec % Rec Limits

Qualifiers

mg/kg

Units

Units

.042

.044J

106

85-115

MATRIX SPIKE SAMPLE:

168781

mg/kg

3027393001 Result

Spike Conc.

ND

MS Result

MS % Rec

% Rec Limits

75-125

Qualifiers

SAMPLE DUPLICATE: 168780

Parameter

Units

3027393001 Result

ND

Dup Result

RPD

0.11

Qualifiers

101

Mercury

mg/kg

.0025J

.11

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Page 69 of 86

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CABOT-EPA 006709

DIM0227454



(724)850-5600

QUALITY CONTROL DATA

Project:

Pace Project No.:

3027393

QC Batch

OEXT/4872

Analysis Method

EPA 8270

QC Batch Method:

EPA 3546

Analysis Description:

8270 Solid MSSV Microwave

Associated Lab Samples:

3027393001, 3027393003, 3027393005, 3027393007, 3027393009, 3027393011, 3027393013, 3027393015,

3027393017, 3027393019, 3027393021, 3027393023

METHOD BLANK: 168409

Associated Lab Samples:

 $3027393001,\,3027393003,\,3027393005,\,3027393007,\,3027393009,\,3027393011,\,3027393013,\,3027393015,\,3027393017,\,3027393019,\,3027393021,\,3027393023$

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
			 -		— Qualificia
1,2,4-Trichlorobenzene	ug/kg	ND	333	05/12/10 13 53	
1,2-Dichlorobenzene	ug/kg	ND	333	05/12/10 13 53	
1,3-Dichlorobenzene	ug/kg	ND	333	05/12/10 13.53	
1,4-Dichlorobenzene	ug/kg	ND	333	05/12/10 13.53	
1-Methylnaphthalene	ug/kg	ND	333	05/12/10 13.53	
2,4,5-Trichlorophenol	ug/kg	ND	833	05/12/10 13:53	
2,4,6-Trichlorophenol	ug/kg	ND	333	05/12/10 13:53	
2,4-Dichlorophenol	ug/kg	ND	333	05/12/10 13:53	
2,4-Dimethylphenol	ug/kg	ND	333	05/12/10 13.53	
2,4-Dinitrophenol	ug/kg	ND	833	05/12/10 13:53	
2,4-Dinitrotoluene	ug/kg	ND	333	05/12/10 13.53	
2,6-Dinitrotoluene	ug/kg	ND	333	05/12/10 13.53	
2-Chloronaphthalene	u g/kg	ND	33 3	05/12/10 13:53	
2-Chlorophenol	ug/kg	ND	333	05/12/10 13:53	
2-Methylnaphthalene	u g/kg	ND	333	05/12/10 13:53	
2-Methylphenol(o-Cresol)	ug/kg	ND	333	05/12/10 13.53	
2-Nitroaniline	ug/kg	ND	833	05/12/10 13.53	
2-Nitrophenol	ug/kg	ND	333	05/12/10 13.53	
3&4-Methylphenol(m&p Cresol)	ug/kg	ND	666	05/12/10 13:53	
3,3'-Dichlorobenzidine	ug/kg	ND	333	05/12/10 13:53	
3-Nitroaniline	ug/kg	ND	833	05/12/10 13:53	
4,6-Dinitro-2-methylphenol	ug/kg	ND	833	05/12/10 13:53	
4-Bromophenylphenyl ether	u g/kg	ND	33 3	05/12/10 13:53	
4-Chloro-3-methylphenol	u g/kg	ND	333	05/12/10 13:53	
4-Chloroaniline	ug/kg	ND	333	05/12/10 13:53	
4-Chlorophenylphenyl ether	ug/kg	ND	333	05/12/10 13:53	
4-Nitroaniline	ug/kg	ND	8 3 3	05/12/10 13:53	
4-Nitrophenol	ug/kg	ND	333	05/12/10 13:53	
Acenaphthene	ug/kg	ND	333	05/12/10 13:53	
Acenaphthylene	ug/kg	ND	333	05/12/10 13:53	
Anthracene	ug/kg	ND	333	05/12/10 13:53	
Azobenzene	ug/kg	ND	333	05/12/10 13:53	
Benzo(a)anthracene	ug/kg	ND	333	05/12/10 13:53	
Benzo(a)pyrene	ug/kg	ND	333	05/12/10 13:53	
Benzo(b)fluoranthene	ug/kg	ND	333	05/12/10 13:53	
Benzo(g,h,i)perylene	ug/kg	ND	333	05/12/10 13:53	
Benzo(k)fluoranthene	ug/kg	ND	333	05/12/10 13·53	
Benzoic acid	ug/kg	ND	833	05/12/10 13:53	
Benzyl alcohol	ug/kg	ND	333	05/12/10 13:53	
bis(2-Chloroethoxy)methane	ug/kg	ND	333	05/12/10 13.53	
bis(2-Chloroethyl) ether	ug/kg	ND	333	05/12/10 13 53	

Date: 05/14/2010 03:55 PM

REPORT OF LABORATORY ANALYSIS

Page 70 of 86

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CABOT-EPA 006710



QUALITY CONTROL DATA

Project.

Pace Project No ·

3027393

METHOD BLANK: 168409

Matrix: Solid

Associated Lab Samples: 3027393001, 3027393003, 3027393005, 3027393007, 3027393009, 3027393011, 3027393013, 3027393015, 3027393021, 3027393021, 3027393023

		Blank	Reporting		
Parameter	Units	Result	Limit	Analyzed	Qualifiers
bis(2-Chloroisopropyl) ether	ug/kg	ND	333	05/12/10 13.53	
bis(2-Ethylhexyl)phthalate	ug/kg	ND	333	05/12/10 13:53	
Butylbenzylphthalate	ug/kg	ND	333	05/12/10 13.53	
Carbazole	ug/kg	ND	333	05/12/10 13:53	
Chrysene	ug/kg	ND	333	05/12/10 13.53	
Di-n-butylphthalate	ug/kg	ND	333	05/12/10 13:53	
Di-n-octylphthalate	ug/kg	ND	333	05/12/10 13 53	
Dibenz(a,h)anthracene	ug/kg	ND	333	05/12/10 13:53	
Dibenzofuran	ug/kg	ND	333	05/12/10 13·53	
Diethylphthalate	ug/kg	ND	333	05/12/10 13:53	
Dimethylphthalate	ug/kg	ND	333	05/12/10 13 ⁻ 53	
Fluoranthene	ug/kg	ND	333	05/12/10 13:53	
Fluorene	u g/kg	ND	33 3	05/12/10 13:53	
Hexachloro-1,3-butadiene	u g/kg	ND	33 3	05/12/10 13.53	
Hexachlorobenzene	ug/kg	ND	333	05/12/10 13:53	
Hexachlorocyclopentadiene	ug/kg	ND	333	05/12/10 13.53	
Hexachloroethane	ug/kg	ND	333	05/12/10 13:53	
Indeno(1,2,3-cd)pyrene	ug/kg	ND	333	05/12/10 13:53	
Isophorone	ug/kg	ND	333	05/12/10 13:53	
N-Nitroso-di-n-propylamine (ug/kg	ND	333	05/12/10 13 53	
N-Nitrosodimethylamine	ug/kg	ND	333	05/12/10 13:53	
N-Nitrosodiphenylamine	ug/kg	ND	333	05/12/10 13:53	
Naphthalene	ug/kg	ND	333	05/12/10 13:53	
Nitrobenzene	ug/kg	ND	333	05/12/10 13:53	
Pentachlorophenol	ug/kg	ND	833	05/12/10 13:53	
Phenanthrene	ug/kg	ND	333	05/12/10 13:53	
Phenol	ug/kg	ND	333	05/12/10 13 53	
Pyrene	ug/kg	ND	333	05/12/10 13:53	
2,4,6-Tribromophenol (S)	%	80	10-123	05/12/10 13:53	
2-Fluorobiphenyl (S)	%	76	43-116	05/12/10 13:53	
2-Fluorophenol (S)	%	71	21-110	05/12/10 13:53	
Nitrobenzene-d5 (S)	%	62	35-114	05/12/10 13:53	
Phenol-d6 (S)	%	70	10-110	05/12/10 13:53	
Terphenyl-d14 (S)	%	81	33-141	05/12/10 13 53	

LABORATORY CONTROL SAMPLE:	168410			<u>.</u>		
Parameter	Units	Spike Conc	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/kg	3330	2920	88	43-120	
1,2-Dichlorobenzene	ug/kg		ND			
1,3-Dichlorobenzene	ug/kg		ND			
1,4-Dichlorobenzene	ug/kg	3330	2700	81	37-118	
1-Methylnaphthalene	ug/kg	3330	3210	96	40-140	
2 4 5-Trichlorophenol	ua/ka		ND			

Date: 05/14/2010 03.55 PM

REPORT OF LABORATORY ANALYSIS

Page 71 of 86

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CABOT-EPA 006711



QUALITY CONTROL DATA

Project:

Pace Project No: 3027393

LABORATORY CONTROL SAMPLE:	168410					
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,4,6-Trichlorophenol	ug/kg		ND			
4-Dichlorophenol	ug/kg		ND			
4-Dimethylphenol	ug/kg		ND			
2,4-Dinitrophenol	ug/kg		ND			
2,4-Dinitrotoluene	ug/kg	3330	3080	92	34-115	
2,6-Dinitrotoluene	ug/kg		ND			
2-Chloronaphthalene	ug/kg		ND			
2-Chlorophenol	ug/kg	3330	2930	88	40-140	
2-Methylnaphthalene	ug/kg	3330	2690	81	40-140	
2-Methylphenol(o-Cresol)	ug/kg	0000	ND	0.	10 110	
2-Nitroaniline	ug/kg		ND			
2-Nitrophenol	ug/kg		ND ND			
3&4-Methylphenol(m&p Cresol)	ug/kg ug/kg		ND			
3,3'-Dichlorobenzidine	ug/kg ug/kg		ND			
3-Nitroaniline	ug/kg ug/kg		ND ND			
4,6-Dinitro-2-methylphenol	ug/kg ug/kg		ND ND			
4-Bromophenylphenyl ether	ug/kg ug/kg		ND ND			
4-Chloro-3-methylphenol	ug/kg ug/kg	3330	3500	105	42-130	
4-Chloroaniline	ug/kg ug/kg	3330	ND	100	42-100	
4-Chlorophenylphenyl ether	ug/kg ug/kg		ND ND			
4-Nitroaniline	ug/kg ug/kg		ND ND			
4-Nitrophenol		3330	2490	75	27-125	
-Nitroprienoi Acenaphthene	ug/kg	3330	2490 2930	75 88	48-114	
•	ug/kg		305 0	92	40-140	
Acenaphthylene	ug/kg	3330	3120	92 94		
Anthracene	ug/kg	3330		94	40-140	
Azobenzene	ug/kg	2000	ND	00	40 440	
Benzo(a)anthracene	ug/kg	3330	3290	99	40-140	
Benzo(a)pyrene	ug/kg	3330	3430	103	40-140	
Benzo(b)fluoranthene	ug/kg	3330	3290	99	40-140	
Benzo(g,h,i)perylene	ug/kg	3330	3230	97	40-140	
Benzo(k)fluoranthene	ug/kg	3330	3200	96	40-140	
Benzoic acid	ug/kg		ND			
Benzyl alcohol	ug/kg		ND			
bis(2-Chloroethoxy)methane	ug/kg		ND			
bis(2-Chloroethyl) ether	ug/kg		ND			
bis(2-Chloroisopropyl) ether	ug/kg		ND			
bis(2-Ethylhexyl)phthalate	ug/kg		ND			
Butylbenzylphthalate	ug/kg		ND			
Carbazole	ug/kg		ND			
Chrysene	ug/kg	3330	3190	96	40-140	
Di-n-butylphthalate	ug/kg		ND			
Di-n-octylphthalate	ug/kg		ND			
Dibenz(a,h)anthracene	ug/kg	3330	3510	105	40-140	
Dibenzofuran	ug/kg		ND			
Diethylphthalate	ug/kg		ND			
Dimethylphthalate	ug/kg		ND			
Fluoranthene	ug/kg	3330	3030	91	40-140	
Fluorene	ug/kg	3330	3110	93	40-140	

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REPORT OF LABORATORY ANALYSIS

Page 72 of 86

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CABOT-EPA 006712



QUALITY CONTROL DATA

Project.

Pace Project No.: 3027393

ABORATORY CONTROL SAMPLE	168410					
Parameter	Units	Spike Conc	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
lexachloro-1,3-butadiene	ug/kg		ND			
łexachlorobenzene	ug/kg		ND			
lexachlorocyclopentadiene	ug/kg		ND			
lexachloroethane	ug/kg		ND			
ndeno(1,2,3-cd)pyrene	ug/kg	3330	3400	102	40-140	
sophorone	ug/kg		ND			
l-Nitroso-di-n-propylamine	ug/kg	3330	3160	95	43-126	
I-Nitrosodimethylamine	ug/kg		ND			
l-Nitrosodiphenylamine	ug/kg		ND			
laphthalene	ug/kg	3330	2790	84	40-140	
itrobenzene	ug/kg		ND			
entachlorophenol	ug/kg	3330	2490	75	14-127	
nenanthrene	ug/kg	3330	3070	92	40-140	
henol	ug/k g	3330	2430	73	39-120	
yrene	ug/kg	3330	2760	83	43-135	
,4,6-Tribromophenol (S)	%			103	10-123	
-Fluorobiphenyl (S)	%			91	43-116	
-Fluorophenol (S)	%			79	21-110	
trobenzene-d5 (S)	%			74	35-114	
henol-d6 (S)	%			86	10-110	
erphenyl-d14 (S)	%			100	33-141	

MATRIX SPIKE & MATRIX SP	IKE DUPLICAT	E: 16841	1		168412						
			MS	MSD							
	30	27393001	Spike	Spike	MS	MSD	MS	MSD	% Rec		
Parameter	Units	Result	Conc.	Conc.	Result	Result	% Rec	% Rec	Limits	RPD	Qual
1,2,4-Trichlorobenzene	ug/kg	ND	3550	3570	3050	2730	86	76	43-120	11	
1,2-Dichlorobenzene	ug/kg	ND			ND	ND					
1,3-Dichlorobenzene	ug/kg	ND			ND	ND					
1,4-Dichlorobenzene	ug/kg	ND	3550	3570	2760	2360	78	66	37-118	16	
1-Methylnaphthalene	ug/kg	ND	3550	3570	3380	3000	95	84	40-140	12	
2,4,5-Trichlorophenol	ug/kg	ND			ND	ND					
2,4,6-Trichlorophenol	ug/kg	ND			ND	ND					
2,4-Dichlorophenol	ug/kg	ND			ND	ND					
2,4-Dimethylphenol	ug/kg	ND			ND	ND					
2,4-Dinitrophenol	ug/kg	ND			ND	ND					
2,4-Dinitrotoluene	ug/kg	ND	3550	3570	3120	3130	88	87	34-115	.3	
2,6-Dinitrotoluene	ug/kg	ND			ND	ND					
2-Chloronaphthalene	ug/kg	ND			ND	ND					
2-Chlorophenol	ug/kg	ND	3550	3570	3060	2610	86	73	40-140	16	
2-Methylnaphthalene	ug/kg	ND	3550	3570	2880	2550	81	71	40-140	12	
2-Methylphenol(o-Cresol)	ug/kg	ND			ND	ND					
2-Nitroaniline	ug/kg	ND			ND	ND					
2-Nitrophenol	ug/kg	ND			ND	ND					
3&4-Methylphenol(m&p Cresol)	ug/kg	ND			ND	ND					
3,3'-Dichlorobenzidine	ug/kg	ND			ND	ND					

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REPORT OF LABORATORY ANALYSIS

Page 73 of 86

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CABOT-EPA 006713



QUALITY CONTROL DATA

Project:

Pace Project No . 3027393

MATRIX SPIKE & MATRIX SPI	KE DUPLICATE	E: 16841			168412						
			MS	MSD							
		27393001	Spike	Spike	MS	MSD	MS	MSD	% Rec		_
Parameter	Units	Result	Conc	Conc.	Result	Result	% Rec	% Rec	Limits	RPD _	Qua
3-Nitroaniline	ug/kg	ND			ND	ND					
4,6-Dinitro-2-methylphenol	ug/kg	ND			ND	ND					
4-Bromophenylphenyl ether	ug/kg	ND			ND	ND					
4-Chloro-3-methylphenol	ug/kg	ND	3550	3570	3650	3260	103	91	42-130	11	
4-Chloroaniline	ug/kg	ND			ND	ND					
4-Chlorophenylphenyl ether	ug/kg	ND			ND	ND					
4-Nitroaniline	ug/kg	ND			ND	ND					
4-Nitrophenol	ug/kg	ND	3550	3570	2340	3050	66	85	27-125	27	
Acenaphthene	ug/kg	ND	3550	3570	3030	2780	85	78	48-114	8	
Acenaphthylene	ug/kg	ND	3550	3570	3160	2880	89	81	40-140	9	
Anthracene	ug/kg	ND	3550	3570	3250	3250	92	91	40-140	.09	
Azobenzene	ug/kg	ND			ND	ND					
Benzo(a)anthracene	ug/kg	ND	3550	3570	3290	3370	93	94	40-140	2	
Benzo(a)pyrene	ug/kg	ND	3550	3570	3340	3490	94	98	40-140	4	
Benzo(b)fluoranthene	ug/kg	ND	3550	3570	3310	3630	93	102	40-140	9	
Benzo(g,h,i)perylene	ug/kg	ND	3550	3570	2790	2780	79	78	40-140	.5	
Benzo(k)fluoranthene	ug/kg	ND	3550	3570	3290	3410	93	95	40-140	4	
Benzoic acid	ug/kg	ND			ND	ND					
Benzyl alcohol	ug/kg	ND			ND	ND					
bis(2-Chloroethoxy)methane	ug/kg	ND			ND	ND					
bis(2-Chloroethyl) ether	ug/kg	ND			ND	ND					
bis(2-Chloroisopropyl) ether	ug/kg	ND			ND	ND					
bis(2-Ethylhexyl)phthalate	ug/kg	ND			ND	ND					
Butylbenzylphthalate	ug/kg	ND			ND	ND					
Carbazole	ug/kg	ND			ND	ND					
Chrysene	ug/kg	ND	3550	3570	3200	3280	90	92	40-140	2	
Di-n-butylphthalate	ug/kg	ND			ND	ND					
Di-n-octylphthalate	ug/kg	ND			ND	ND					
Dibenz(a,h)anthracene	ug/kg	ND	3550	3570	3200	3120	90	87	40-140	3	
Dibenzofuran	u g/kg	ND			ND	ND					
Diethylphthalate	ug/kg	ND			ND	ND					
Dimethylphthalate	ug/kg	ND			ND	ND					
Fluoranthene	ug/kg	ND	3550	3570	3050	3220	86	90	40-140	6	
Fluorene	ug/kg	ND	3550	3570	3240	3060	91	86	40-140		
Hexachloro-1,3-butadiene	ug/kg	ND			ND	ND				-	
Hexachlorobenzene	ug/kg	ND			ND	ND					
Hexachlorocyclopentadiene	ug/kg	ND			ND	ND					
Hexachloroethane	ug/kg	ND			ND	ND					
Indeno(1,2,3-cd)pyrene	ug/kg	ND	3550	3570	3040	3000	8 5	84	40-140	1	
Isophorone	ug/kg	ND			ND	ND		51		•	
N-Nitroso-di-n-propylamine	ug/kg	ND	3550	3570	3190	2850	90	80	43-126	11	
N-Nitrosodimethylamine	ug/kg	ND	2230		ND	ND	50			• •	
N-Nitrosodiphenylamine	ug/kg	ND			ND	ND					
Naphthaiene	ug/kg	ND	3550	3570	2960	2610	83	73	40-140	13	
Nitrobenzene	ug/kg	ND	5550	3370	ND	ND	50	,,			
Pentachlorophenol	ug/kg ug/kg	ND	3550	3570	2500	2520	70	70	14-127	.9	
Phenanthrene	ug/kg	ND	3550	3570	3140	3080	88	86			

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REPORT OF LABORATORY ANALYSIS

Page 74 of 86

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CABOT-EPA 006714



QUALITY CONTROL DATA

Project:

Pace Project No: 3027393

MATRIX SPIKE & MATRIX SP	PIKE DUPLICAT	E: 16841	1		168412				_		
Parameter	30 Units	027393001 Result	MS Spike Conc.	MSD Spike Conc	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Phenol	ug/kg	ND	3550	3570	2710	2270	76	64	39-120	17	
Pyrene	ug/kg	ND	3550	3570	2800	2810	79	79	43-135	.2	
2,4,6-Tribromophenol (S)	%						99	92	10-123		
2-Fluorobiphenyl (S)	%						85	78	43-116		
2-Fluorophenol (S)	%						75	60	21-110		
Nitrobenzene-d5 (S)	%						68	62	35-114		
Phenol-d6 (S)	%						82	68	10-110		
Terphenyl-d14 (S)	%						96	95	33-141		

Date: 05/14/2010 03:55 PM

REPORT OF LABORATORY ANALYSIS

Page 75 of 86

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CABOT-EPA 006715



QUALITY CONTROL DATA

Project

Pace Project No.: 3027393

QC Batch:

MSV/5796

Analysis Method.

EPA 8260

QC Batch Method:

EPA 8260

Analysis Description:

8260 MSV 5035 Low

Associated Lab Samples:

 $3027393001, 3027393003, 3027393005, 3027393007, 3027393009, 3027393011, 3027393013, 3027393015, \\ 3027393017, 3027393019, 3027393021, 3027393023$

METHOD BLANK: 169018

Matrix: Solid

Associated Lab Samples:

3027393001, 3027393003, 3027393005, 3027393007, 3027393009, 3027393011, 3027393013, 3027393015,

3027393017, 3027393019, 3027393021, 3027393023

3027	393017, 3027393019, 3	Blank	Reporting		
Parameter	Units	Result	Limit	Analyzed	Qualifiers
				<u>_</u>	Qualifiers
1,1,1-Trichloroethane	ug/kg	ND	5.0	05/12/10 19:24	
1,1,2,2-Tetrachloroethane	ug/kg	ND	5.0	05/12/10 19:24	
1,1,2-Trichloroethane	ug/kg	ND	5.0	05/12/10 19:24	
1,1-Dichloroethane	ug/kg	ND	5.0	05/12/10 19:24	
1,1-Dichloroethene	ug/kg	ND	5 0	05/12/10 19 24	
1,2,4-Trichlorobenzene	ug/kg	ND	5.0	05/12/10 19 24	
1,2,4-Trimethylbenzene	ug/kg	ND	5.0	05/12/10 19.24	
1,2-Dichlorobenzene	ug/kg	ND	5.0	05/12/10 19.24	
1,2-Dichloroethane	ug/kg	ND	5.0	05/12/10 19.24	
1,2-Dichloropropane	ug/kg	ND	5.0	05/12/10 19:24	
1,3,5-Trimethylbenzene	ug/kg	ND	5.0	05/12/10 19:24	
1,3-Dichlorobenzene	ug/kg	ND	5.0	05/12/10 19:24	
1,4-Dichlorobenzene	ug/kg	ND	5.0	05/12/10 19:24	
2-Butanone (MEK)	ug/kg	ND	10.0	05/12/10 19:24	
2-Hexanone	ug/kg	ND	10.0	05/12/10 19:24	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	10.0	05/12/10 19:24	
Acetone	ug/kg	14,5	10.0	05/12/10 19:24	C9
Benzene	ug/kg	ND	5.0	05/12/10 19:24	
Bromochloromethane	ug/kg	ND	5. 0	05/12/10 19:24	
Bromodichloromethane	ug/kg	ND	5.0	05/12/10 19:24	
Bromoform	ug/kg	ND	5.0	05/12/10 19:24	
Bromomethane	ug/kg	ND	5.0	05/12/10 19:24	
Carbon disulfide	ug/kg	ND	5.0	05/12/10 19:24	
Carbon tetrachloride	ug/kg	ND	5.0	05/12/10 19:24	
Chlorobenzene	ug/kg	ND	5.0	05/12/10 19.24	
Chloroethane	ug/kg	ND	5.0	05/12/10 19:24	
Chloroform	ug/kg	ND	5.0	05/12/10 19:24	
Chloromethane	ug/kg	ND	5.0	05/12/10 19.24	
cis-1,2-Dichloroethene	ug/kg	ND	5.0	05/12/10 19.24	
cis-1,3-Dichloropropene	ug/kg	ND	5.0	05/12/10 19:24	
Dibromochloromethane	ug/kg	ND	5.0	05/12/10 19:24	
Ethylbenzene	ug/kg	ND	5.0	05/12/10 19:24	
Isopropylbenzene (Cumene)	ug/kg	ND	5.0	05/12/10 19:24	
m&p-Xylene	ug/kg	ND	10.0	05/12/10 19:24	
Methyl-tert-butyl ether	ug/kg	ND	5.0	05/12/10 19:24	
Methylene Chloride	ug/kg	ND	5.0	05/12/10 19:24	
n-Butylbenzene	ug/kg	ND	5.0	05/12/10 19.24	
n-Propylbenzene	ug/kg	ND	5.0		
Naphthalene	ug/kg	ND	5.0	05/12/10 19.24	
o-Xylene	ug/kg	ND	5.0	05/12/10 19:24	
p-Isopropyltoluene	ug/kg	ND	5.0	05/12/10 19:24	
L. rank all Arrangement	-33	,,,,	0.0		

Date: 05/14/2010 03:55 PM

REPORT OF LABORATORY ANALYSIS

Page 76 of 86

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CABOT-EPA 006716



QUALITY CONTROL DATA

Project:

Pace Project No.: 3027393

METHOD BLANK: 169018

Matrix: Solid

Associated Lab Samples:

3027393001, 3027393003, 3027393005, 3027393007, 3027393009, 3027393011, 3027393013, 3027393015, 3027393017, 3027393019, 3027393021, 3027393023

		Blank	Reporting		
Parameter	Units	Result	Limit	Analyzed	Qualifiers
sec-Butylbenzene	ug/kg	ND	5 0	05/12/10 19:24	
Styrene	ug/kg	ND	5.0	05/12/10 19:24	
Tetrachloroethene	ug/kg	ND	5 0	05/12/10 19:24	
Toluene	ug/kg	ND	5.0	05/12/10 19:24	
TOTAL BTEX	ug/kg	ND	30.0	05/12/10 19.24	
trans-1,2-Dichloroethene	ug/kg	ND	5.0	05/12/10 19:24	
trans-1,3-Dichloropropene	ug/kg	ND	5.0	05/12/10 19 24	
Trichloroethene	ug/kg	ND	50	05/12/10 19:24	
Vinyl chloride	ug/kg	ND	5.0	05/12/10 19:24	
Xylene (Total)	ug/kg	ND	15.0	05/12/10 19.24	
1,2-Dichloroethane-d4 (S)	%	112	70-130	05/12/10 19:24	
4-Bromofluorobenzene (S)	%	99	70-130	05/12/10 19.24	
Toluene-d8 (S)	%	96	70-130	05/12/10 19:24	

LABORATORY CONTROL SAMPL	E: 169019					
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/kg	20	17 7	89	70-130	
1,1,2,2-Tetrachloroethane	ug/kg	20	17.3	86	70-130	
1,1,2-Trichloroethane	ug/kg	20	17.1	86	70-130	
1,1-Dichloroethane	ug/kg	20	18.1	91	70-130	
1,1-Dichloroethene	ug/kg	20	13.2	66	70-130 l	.0
1,2,4-Trichlorobenzene	ug/kg	20	15.9	79	70-130	
1,2,4-Trimethylbenzene	ug/kg	20	17.9	90	70-130	
1,2-Dichlorobenzene	ug/kg	20	17.9	89	70-130	
1,2-Dichloroethane	ug/kg	20	17.1	85	70-130	
1,2-Dichloropropane	ug/kg	20	17.8	89	70-130	
1,3,5-Trimethylbenzene	ug/kg	20	18 2	91	70-130	
1,3-Dichlorobenzene	ug/kg	20	18.1	90	70-130	
1,4-Dichlorobenzene	ug/k g	20	17.6	88	70-130	
2-Butanone (MEK)	ug/kg	20	16.4	82	70-130	
2-Hexanone	ug/kg	20	16. 9	85	70-130	
4-Methyl-2-pentanone (MIBK)	ug/kg	20	18 8	94	70-130	
Acetone	ug/kg	20	17.5	87	70-130	
Benzene	ug/kg	20	17.9	90	70-130	
Bromochloromethane	ug/kg	20	17.3	87	70-130	
Bromodichloromethane	ug/kg	20	16.6	83	70-130	
Bromoform	ug/kg	20	16.3	81	70-130	
Bromomethane	ug/kg	20	19 5	97	70-130	
Carbon disulfide	ug/kg	20	23.0	115	70-130	
Carbon tetrachloride	ug/kg	20	17.6	88	70-130	
Chlorobenzene	ug/kg	20	17.6	88	70-130	
Chloroethane	ug/kg	20	20.3	101	70-130	
Chloroform	ug/kg	20	17.8	89	70-130	

Date: 05/14/2010 03.55 PM

REPORT OF LABORATORY ANALYSIS

Page 77 of 86

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CABOT-EPA 006717



QUALITY CONTROL DATA

Project

Pace Project No.: 3027393

LABORATORY CONTROL SAMPLE.	169019		·			
		Spike	LCS	LCS	% Rec	
Parameter	Units	Conc.	Result	% Rec	Limits	Qualifiers
Chloromethane	ug/kg	20	16.0	80	70-130	
cis-1,2-Dichloroethene	ug/kg	20	16.8	84	70-130	
cis-1,3-Dichloropropene	ug/kg	20	16.5	83	70-130	
Dibromochloromethane	ug/kg	20	16.4	82	70-130	
Ethylbenzene	ug/kg	20	18.3	91	70-130	
sopropylbenzene (Cumene)	ug/kg	20	19.2	96	70-130	
n&p-Xylene	ug/kg	40	33.5	84	70-130	
Methyl-tert-butyl ether	ug/kg	20	20.7	103	70-130	
Methylene Chloride	ug/kg	20	16.9	85	70-130	
n-Butylbenzene	ug/kg	20	18.2	91	70-130	
n-Propylbenzene	ug/kg	20	19.1	95	70-130	
laphthalene	ug/kg	20	15.5	78	70-130	
-Xylene	ug/kg	20	17.6	88	70-130	
-Isopropyltoluene	ug/kg	20	18.8	94	70-130	
ec-Butylbenzene	ug/kg	20	19.3	96	70-130	
tyrene	ug/kg	20	16.7	83	70-130	
etrachloroethene	ug/kg	20	18.4	92	70-130	
oluene	ug/kg	20	17.7	89	70-130	
TOTAL BTEX	ug/kg		105			
rans-1,2-Dichloroethene	ug/kg	20	16.3	82	70-130	
rans-1,3-Dichloropropene	ug/kg	20	15.8	79	70-130	
richloroethene	ug/kg	20	18.0	90	70-130	
/inyl chloride	ug/kg	20	18.4	92	70-130	
(ylene (Total)	ug/kg	60	51.1	85	70-130	
,2-Dichloroethane-d4 (S)	%			108	70-130	
l-Bromofluorobenzene (S)	%			97	70-130	
oluene-d8 (S)	%			97	70-130	

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REPORT OF LABORATORY ANALYSIS

Page 78 of 86

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CABOT-EPA 006718



QUALITY CONTROL DATA

Project:

Pace Project No:

3027393

QC Batch

PMST/1841

Analysis Method:

ASTM D2974-87

QC Batch Method:

ASTM D2974-87

Analysis Description

Dry Weight/Percent Moisture

Associated Lab Samples.

Percent Moisture

Percent Moisture

3027393001, 3027393003, 3027393005, 3027393007, 3027393009, 3027393011, 3027393013, 3027393015, 3027393017, 3027393019, 3027393021, 3027393023

SAMPLE DUPLICATE: 168952

Parameter

Parameter

Units

Units

%

%

3027276001 Result

9.9

15.1

Dup Result

Qualifiers

SAMPLE DUPLICATE: 168953

3027276002 Result

Dup Result

15 5

RPD

Qualifiers

5

2

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REPORT OF LABORATORY ANALYSIS

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CABOT-EPA 006719

Page 79 of 86



QUALITY CONTROL DATA

Project:

Pace Project No.:

3027393

QC Batch:

WET/5581

Analysis Method:

SM 5540C

QC Batch Method:

SM 5540C

Analysis Description

Matrix: Water

5540C MBAS Surfactants

Associated Lab Samples:

3027393002, 3027393004, 3027393006, 3027393008, 3027393010, 3027393012, 3027393014, 3027393016, 3027393018, 3027393020, 3027393022, 3027393024

METHOD BLANK: 169648

Associated Lab Samples:

3027393002, 3027393004, 3027393006, 3027393008, 3027393010, 3027393012, 3027393014, 3027393016,

3027393018, 3027393020, 3027393022, 3027393024

Blank

Reporting Limit

Parameter

Units

Result

Analyzed

Qualifiers

Surfactants

mg/L

ND

0.10 05/13/10 14:08

METHOD BLANK: 169655

Matrix: Water

3027393002, 3027393004, 3027393006, 3027393008, 3027393010, 3027393012, 3027393014, 3027393016, 3027393018, 3027393020, 3027393022, 3027393024 Blank

Parameter

Associated Lab Samples:

Units Result Reporting Limit

Analyzed

Qualifiers

Surfactants

mg/L

ND

0.10 05/13/10 14:08

LABORATORY CONTROL SAMPLE. 169649

Parameter

Parameter

Parameter

Spike Conc.

LCS Result

0.86

Conc.

LCS % Rec

% Rec Limits

Qualifiers

Surfactants

mg/L

Units

Units

Units

ND

ND

85-115 SU

MATRIX SPIKE SAMPLE:

169651

mg/L

mg/L

3027513001 Result

Spike

MS Result

86

MS % Rec % Rec Limits

85-115

Qualifiers

Surfactants

Surfactants

0.99

95

SAMPLE DUPLICATE: 169650

3027513002

Dup Result

ND

RPD

Qualifiers

Date: 05/14/2010 03 55 PM

REPORT OF LABORATORY ANALYSIS

Page 80 of 86

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CABOT-EPA 006720



QUALITY CONTROL DATA

Project:

Pace Project No.:

3027393

QC Batch.

WETA/4209

Analysis Method:

EPA 350.1

QC Batch Method:

EPA 350.1

Analysis Description:

Associated Lab Samples:

3027393001, 3027393003, 3027393005, 3027393007, 3027393009, 3027393011, 3027393013, 3027393015, 3027393017, 3027393019, 3027393021, 3027393023

350.1 Ammonia

METHOD BLANK: 168798

Associated Lab Samples:

3027393001, 3027393003, 3027393005, 3027393007, 3027393009, 3027393011, 3027393013, 3027393015, 3027393017, 3027393019, 3027393021, 3027393023

Blank

Reporting Limit Analyzed

Qualifiers

Nitrogen, Ammonia

Nitrogen, Ammonia

Units mg/kg

Units

Units

Result

ND

5.0 05/12/10 15:20

LABORATORY CONTROL SAMPLE: Parameter

Parameter

Parameter

168799

Spike Conc.

LCS Result

LCS % Rec % Rec Limits

Qualifiers

MATRIX SPIKE SAMPLE:

168800

mg/kg

mg/kg

mg/kg

3027393023 Result

159

Spike Conc.

150

MS Result

95

MS % Rec

85-115

% Rec Limits

85-115

Qualifiers

SAMPLE DUPLICATE: 168801

Nitrogen, Ammonia

Nitrogen, Ammonia

Parameter

Units

3027393023 Result 29.0

29.0

Dup Result

246

154

RPD

160

16

Qualifiers

85

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Page 81 of 86

CABOT-EPA 006721



QUALITY CONTROL DATA

Project

3027393

Pace Project No.:

QC Batch:

WETA/4216

Analysis Method:

SM 4500-CI-E

QC Batch Method:

SM 4500-CI-E

Analysis Description:

4500 Chloride

Associated Lab Samples:

3027393002, 3027393004, 3027393006, 3027393008, 3027393010, 3027393012, 3027393014, 3027393016, 3027393018, 3027393020, 3027393022, 3027393024

METHOD BLANK: 169045

Matrix Water

Associated Lab Samples:

3027393002, 3027393004, 3027393006, 3027393008, 3027393010, 3027393012, 3027393014, 3027393016,

3027393018, 3027393020, 3027393022, 3027393024

Blank

Reporting

Parameter

Units

Units

Units

Units

Units

Result Limit

Analyzed

Qualifiers

Chloride

mg/L

ND

3.0 05/12/10 20.37

METHOD BLANK: 169196

Matrix: Water

Associated Lab Samples

3027393002, 3027393004, 3027393006, 3027393008, 3027393010, 3027393012, 3027393014, 3027393016,

3027393018, 3027393020, 3027393022, 3027393024

Blank Result Reporting Limit

Analyzed Qualifiers

Parameter Chloride

mg/L

ND

3.0 05/12/10 00:00

METHOD BLANK: 169197

Parameter

Parameter

Parameter

Parameter

Matrix. Water

Associated Lab Samples

3027393002, 3027393004, 3027393006, 3027393008, 3027393010, 3027393012, 3027393014, 3027393016,

3027393018, 3027393020, 3027393022, 3027393024

Blank Result Reporting Lımit

Analyzed

Qualifiers

Chloride

mg/L

ND

3.0 05/12/10 00:00

LABORATORY CONTROL SAMPLE:

169046

Spike Conc.

LCS Result LCS

% Rec

mg/L

ND

% Rec

Limits

Qualifiers

Chloride

Chloride

Chloride

40

38.7

97

17.9

85-115

MATRIX SPIKE SAMPLE:

169047

mg/L

mg/L

3027393002 Result

Spike

Conc.

MS

Result

MS

80

% Rec Limits

20

2J

% Rec

85-115 M1

Qualifiers

SAMPLE DUPLICATE: 169048

Units

3027393002 Result

ND

Dup Result

RPD

Qualifiers

Date. 05/14/2010 03:55 PM

REPORT OF LABORATORY ANALYSIS

Page 82 of 86

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CABOT-EPA 006722



QUALIFIERS

Project:

Pace Project No.: 3027393

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

Pace Analytical is NELAP accredited. Contact your Pace PM for the current list of accredited analytes.

U - Indicates the compound was analyzed for, but not detected.

LABORATORIES

PASI-PA Pace Analytical Services - Greensburg

WORKORDER QUALIFIERS

WO: 3027393

[1] The samples were subcontracted to Summit Environmental, 3310 Win Street, Cuyahoga Fails, OH 44223 for Glycol analysis. Results of the analysis are reported on the Summit Environmental. data tables

ANALYTE QUALIFIERS

1c	ASTM BLANK
2c	Sample was tumbled on 05/12/2010 and analyzed within 48 hours.
C9	Common Laboratory Contaminant.
L0	Analyte recovery in the laboratory control sample (LCS) was outside QC limits.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
R1	RPD value was outside control limits.
S0	Surrogate recovery outside laboratory control limits.
SU	MBAS, calculated as LAS, Mol wt 342.2 g/mol

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REPORT OF LABORATORY ANALYSIS

Page 83 of 86

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CABOT-EPA 006723



QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project:

2027

Pace Project No.:

3027393

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
3027393001	2H/4H-1R	EPA 3050	MPRP/3824	EPA 6010B	ICP/3432
3027393003	2H/4H-2R	EPA 3050	MPRP/3824	EPA 6010B	ICP/3432
027393005	2H/4H-3R	EPA 3050	MPRP/3824	EPA 6010B	ICP/3432
027393007	2H/4H-4R	EPA 3050	MPRP/3824	EPA 6010B	ICP/3432
3027393009	2H/4H-5R	EPA 3050	MPRP/3824	EPA 6010B	ICP/3432
3027393011	2H/4H-6R	EPA 3050	MPRP/3824	EPA 6010B	ICP/3432
027393013	2H/4H-7R	EPA 3050	MPRP/3824	EPA 6010B	ICP/3432
027393015	2H/4H-8R	EPA 3050	MPRP/3824	EPA 6010B	ICP/3432
027393017	2H/4H-9R	EPA 3050	MPRP/3824	EPA 6010B	ICP/3432
027393019	2H/4H-10R	EPA 3050	MPRP/3824	EPA 6010B	ICP/3432
027393021	2H/4H-11R	EPA 3050	MPRP/3824	EPA 6010B	ICP/3432
8027393023	2H/4H-12R	EPA 3050	MPRP/3824	EPA 6010B	ICP/3432
8027393001	2H/4H-1R	EPA 7471	MERP/1900	EPA 7471	MERC/1856
3027393003	2H/4H-2R	EPA 7471	MERP/1900	EPA 7471	MERC/1856
3027393005	2H/4H-3R	EPA 7471	MERP/1900	EPA 7471	MERC/185
027393007	2H/4H-4R	EPA 7471	MERP/1900	EPA 7471	MERC/185
3027393009	2H/4H-5R	EPA 7471	MERP/1900	EPA 7471	MERC/185
027393011	2H/4H-6R	EPA 7471	MERP/1900	EPA 7471	MERC/185
027393013	2H/4H-7R	EPA 7471	MERP/1900	EPA 7471	MERC/185
027393015	2H/4H-8R	EPA 7471	MERP/1900	EPA 7471	MERC/185
027393017	2H/4H-9R	EPA 7471	MERP/1900	EPA 7471	MERC/185
027393019	2H/4H-10R	EPA 7471	MERP/1900	EPA 7471	MERC/185
027393021	2H/4H-11R	EPA 7471	MERP/1900	EPA 7471	MERC/185
027393023	2H/4H-12R	EPA 7471	MERP/1900	EPA 7471	MERC/185
8027393001	2H/4H-1R	EPA 3546	OEXT/4872	EPA 8270	MSSV/210
027393003	2H/4H-2R	EPA 3546	OEXT/4872	EPA 8270	MSSV/210
027393005	2H/4H-3R	EPA 3546	OEXT/4872	EPA 8270	MSSV/2100
027393007	2H/4H-4R	EPA 3546	OEXT/4872	EPA 8270	MSSV/2100
027393009	2H/4H-5R	EPA 3546	OEXT/4872	EPA 8270	MSSV/2100
027393011	2H/4H-6R	EPA 3546	OEXT/4872	EPA 8270	MSSV/2106
027393013	2H/4H-7R	EPA 3546	OEXT/4872	EPA 8270	MSSV/210
027393015	2H/4H-8R	EPA 3546	OEXT/4872	EPA 8270	MSSV/2106
027393017	2H/4H-9R	EPA 3546	OEXT/4872	EPA 8270	MSSV/2106
027393019	2H/4H-10R	EPA 3546	OEXT/4872	EPA 8270	MSSV/2100
027393021	2H/4H-11R	EPA 3546	OEXT/4872	EPA 8270	MSSV/210
027393023	2H/4H-12R	EPA 3546	OEXT/4872	EPA 8270	MSSV/210
027393001	2H/4H-1R	EPA 8260	MSV/5796		
027393003	2H/4H-2R	EPA 8260	MSV/5796		
027393005	2H/4H-3R	EPA 8260	MSV/5796		
027393007	2H/4H-4R	EPA 8260	MSV/5796		
027393009	2H/4H-5R	EPA 8260	MSV/5796		
027393011	2H/4H-6R	EPA 8260	MSV/5796		
027393013	2H/4H-7R	EPA 8260	MSV/5796		
027393015	2H/4H-8R	EPA 8260	MSV/5796		
027393017	2H/4H-9R	EPA 8260	MSV/5796		
027393019	2H/4H-10R	EPA 8260	MSV/5796		
027393021	2H/4H-11R	EPA 8260	MSV/5796		

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REPORT OF LABORATORY ANALYSIS

Page 84 of 86

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CABOT-EPA 006724



(724)850-5600

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project^{*}

0007

Pace Project No.:

3027393

Lab ID	Sample ID	QC Batch Method	QC Batch Analytical Method	Analytica Batch
3027393023	2H/4H-12R	EPA 8260	MSV/5796	
3027393001	2H/4H-1R	ASTM D2974-87	PMST/1841	
3027393003	2H/4H-2R	ASTM D2974-87	PMST/1841	
027393005	2H/4H-3R	ASTM D2974-87	PMST/1841	
027393007	2H/4H-4R	ASTM D2974-87	PMST/1841	
3027393009	2H/4H-5R	ASTM D2974-87	PMST/1841	
027393011	2H/4H-6R	ASTM D2974-87	PMST/1841	
027393013	2H/4H-7R	ASTM D2974-87	PMST/1841	
027393015	2H/4H-8R	ASTM D2974-87	PMST/1841	
027393017	2H/4H-9R	ASTM D2974-87	PMST/1841	
302739301 9	2H/4H-10R	ASTM D2974-87	PMST/1841	
027393021	2H/4H-11R	ASTM D2974-87	PMST/1841	
027393023	2H/4H-12R	ASTM D2974-87	PMST/1841	
3027393002	2H/4H-1R ASTM	SM 5540C	WET/5581	
3027393004	2H/4H-2R ASTM	SM 5540C	WET/5581	
3027393006	2H/4H-3R ASTM	SM 5540C	WET/5581	
3027393008	2H/4H-4R ASTM	SM 5540C	WET/5581	
3027393010	2H/4H-5R ASTM	SM 5540C	WET/5581	
3027393012	2H/4H-6R ASTM	SM 5540C	WET/5581	
027393014	2H/4H-7R ASTM	SM 5540C	WET/5581	
027393016	2H/4H-8R ASTM	SM 5540C	WET/5581	
3027393018	2H/4H-9R ASTM	SM 5540C	WET/5581	
3027393020	2H/4H-10R ASTM	SM 5540C	WET/5581	
3027393022	2H/4H-11R ASTM	SM 5540C	WET/5581	
3027393024	2H/4H-12R ASTM	SM 5540C	WET/5581	
3027393001	2H/4H-1R	EPA 350.1	WETA/4209	
3027393003	2H/4H-2R	EPA 350.1	WETA/4209	
3027393005	2H/4H-3R	EPA 350.1	WETA/4209	
3027393007	2H/4H-4R	EPA 350.1	WETA/4209	
3027393009	2H/4H-5R	EPA 350.1	WETA/4209	
3027393011	2H/4H-6R	EPA 350.1	WETA/4209	
3027393013	2H/4H-7R	EPA 350.1	WETA/4209	
3027393015	2H/4H-8R	EPA 350.1	WETA/4209	
3027393017	2H/4H-9R	EPA 350.1	WETA/4209	
3027393019	2H/4H-10R	EPA 350.1	WETA/4209	
3027393021	2H/4H-11R	EPA 350.1	WETA/4209	
3027393023	2H/4H-12R	EPA 350.1	WETA/4209	
3027393002	2H/4H-1R ASTM	SM 4500-CI-E	WETA/4216	
3027393004	2H/4H-2R ASTM	SM 4500-CI-E	WETA/4216	
3027393006	2H/4H-3R ASTM	SM 4500-CI-E	WETA/4216	
3027393008	2H/4H-4R ASTM	SM 4500-CI-E	WETA/4216	
3027393010	2H/4H-5R ASTM	SM 4500-CI-E	WETA/4216	
3027393012	2H/4H-6R ASTM	SM 4500-CI-E	WETA/4216	
3027393014	2H/4H-7R ASTM	SM 4500-CI-E	WETA/4216	
3027393016	2H/4H-8R ASTM	SM 4500-CI-E	WETA/4216	
3027393018	2H/4H-9R ASTM	SM 4500-CI-E	WETA/4216	
3027393020	2H/4H-10R ASTM	SM 4500-CI-E	WETA/4216	

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REPORT OF LABORATORY ANALYSIS

Page 85 of 86

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CABOT-EPA 006725



QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project:

00070

Pace Project No :

3027393

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
3027393022 3027393024	2H/4H-11R ASTM 2H/4H-12R ASTM	SM 4500-CI-E SM 4500-CI-E	WETA/4216 WETA/4216		

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REPORT OF LABORATORY ANALYSIS

Page 86 of 86

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CABOT-EPA 006726



LABORATORY REPORT

Client

Pace Analytical 1638 Roseytown Road Greensburg, PA 15601

> Order Number 1006911

Project Number 3027393

Issued Thursday, May 13, 2010

Total Number of Pages

5 (excluding C.O.C. and cooler receipt form)

Approved By:

QA Manager

NELAC Accreditation #E87688

"Analytical Integrity" · EPA Certified · NELAP Certified
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Web Site: www.settek.com

CABOT-EPA 006727



2

Sample Summary

Client: <u>Pace Analytical</u> Order Number: <u>1006911</u>

Laboratory ID	Client ID	Matrix	Sampling Date
1006911-01	3027393001	Solid	5/10/2010
1006911-02	3027393003	Solid	5/10/2010
1006911-03	3027393005	Solid	5/10/2010
1006911-04	3027393007	Solid	5/10/2010
1006911-05	3027393009	Solid	5/10/2010
1006911-06	3027393011	Solid	5/10/2010
1006911-07	3027393013	Solid	5/10/2010
1006911-08	3027393015	Solid	5/10/2010
1006911-09	3027393017	Solid	5/10/2010
1006911-10	3027393019	Solid	5/10/2010
1006911-11	3027393021	Solid	5/10/2010
1006911-12	3027393023	Solid	5/10/2010

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Web Site: www.settek.com

CABOT-EPA 006728



3

Report Narrative

Client: Pace Analytical Order Number: 1006911

Solid sample results are reported on a wet weight basis except as noted. No problems were encountered during analysis of this order number, except as noted.

Data Qualifiers:

B = Analyte found in the method blank

J = Estimated concentration of analyte between MDL (LOD) and Reporting Limit (LOQ)

C = Analyte has been confirmed by another instrument or method

E = Analyte exceeds the upper limit of the calibration curve.

D = Sample or extract was analyzed at a higher dilution

X = User defined data qualifier.

S = Surrogate out of control limits

U = Undetected

a = Not Accredited by NELAC

ND = Non Detected at LOQ

DF = Dilution Factor

Limit Of Quantitation (LOQ) = Laboratory Reporting Limit (not adjusted for dilution factor) Limit Of Detection (LOD) = Laboratory Detection Limit

Estimated uncertainty values are available upon request.

The test results meet the requirements of the NELAC standard, except where noted. The information contained in this analytical report is the sole property of Summit Environmental Technologies, Inc. and that of the client. It cannot be reproduced in any form without the consent of Summit Environmental Technologies, Inc. or the client for which this report was issued. The results contained in this report are only representative of the samples received. Conditions can vary at different times and at different sampling conditions. Summit Environmental Technologies, Inc. is not

responsible for use or interpretation of the data included herein.

W = Wipe

TC = TCLP Extract

WW = Waste Water

Matrices:

A = Air C = Cream

L = Liquid

SO = Soil S = Solid T = Tablet

SL = Sludge

O = OI

DW = Drinking Water

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CABOT-EPA 006729



May 13, 2010

Client: Pace Analytical Address: 1638 Roscytown Road Greensburg, PA 15601

Received: 5/12/2010 Project #: 3027393

Client II)# 3027393001	<u>Lab ID#</u> 1006911-01	Collected Analyte 10-May-10 Ethylene glycol	<u>Result</u> <10.0	Units Matrix Method DF LOQ Run Analys mg/kg S 8015 1 10 13-May-10 JBN	
Client ID# 3027393003	<u>Lab ID#</u> 1006911-02	Collected Analyte 10-May-10 Ethylene glycol	Result <10.0	Units Matrix Method DF LOQ Run Analysmg/kg S 8015 1 10 13-May-10 JBM	
Client ID# 3027393005	<u>Lah ID#</u> 1006911-03	Collected Analyse 10-May-10 Ethylene glycol	<u>Result</u> <10.0	Units Matrix Method DF LOQ Run Analymg/kg S 8015 1 10 13-May-10 JBN	
Client ID# 3027393007	<u>Lab ID#</u> 1006911-04	Collected Analyte 10-May-10 Ethylene glycol	Result <10.0	<u>Units</u> <u>Matrix</u> <u>Method</u> <u>DF</u> <u>LOQ</u> <u>Run Analy</u> mg/kg S 8015 1 10 13-May-10 JBh	
Client ID# 3027393009	<u>Lab ID#</u> 1006911-05	Collected Analyte 10-May-10 Ethylene glycol	<u>Result</u> <10.0	Units Matrix Method DF LOQ Run Analymg/kg S 8015 1 10 13-May-10 JBf	
Client ID# 3027393011	<u>Lab ID#</u> 1006911-06	Collected Analyte 10-May-10 Ethylene glycol	Result <10.0	Units Matrix Method DF LOQ Run Analy mg/kg S 8015 1 10 13-May-10 JB	
Client ID# 3027393013	<u>Lab ID#</u> 1006911-07	Collected Analyte 10-May-10 Ethylene glycol	Result <10.0	Units Matrix Method DF LOQ Run Analy mg/kg S 8015 1 10 13-May-10 JB	
Client ID# 3027393015	<u>Lab ID#</u> 1006911-08	Collected Analyte 10-May-10 Ethylene glycol	Result <10.0	Units Matrix Method DF LOQ Run Analy mg/kg S 8015 1 10 13-May-10 JB	
Chent ID# 3027393017	<u>lab ID#</u> 1006911-09	Collected Analyte 10-May-10 Ethylene glycol	Result <10.0	Units Matrix Method DI: LOQ Run Analymg/kg S 8015 1 10 13-May-10 JB	
Client ID# 3027393019	<u>Lab II)#</u> 1006911-10	Collected Analyte 10-May-10 Ethylene glycol	Result <10.0	Units Matrix Method DF LOQ Run Analymg/kg S 8015 1 10 13-May-10 JB	_
Client ID# 3027393021	<u>Lab II)#</u> 1006911-11	Collected Analyte 10-May-10 Ethylene glycol	Result <10.0	Units Matrix Method DF LOQ Run Analy mg/kg S 8015 1 10 13-May-10 JB	

Page 4

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3310 Win Street • Cuyahoga Falls, Ohio 44223 • Phone: 330-253-8211 • Fax: 330-253-4489

Web Site: www.settek.com

CABOT-EPA 006730



May 13, 2010

Client: Pace Analytical Address: 1638 Roseytown Road Greensburg, PA 15601

Received: 5/12/2010 Project #: 3027393

Chent ID# 3027393023 Lab ID#

Collected Analyte

1006911-12 10-May-10 Ethylene glycol

Result <10.0 Units Matrix Method DF LOQ

Run Analyst

mg/kg S 8015 1 10 I3-May-10 JBN

Page 5

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CABOT-EPA 006731

	Section D Required Client Inform
	SAMP
M#	(A-Z. 0 Samole IDs MU:

CHAIN-OF-CUSTODY / Analytical Request Document The Cham-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately

Pace Analytical*		STODY / Analytical Request Doc LEGAL DOCUMENT. All relevant fields must be completed			
Section A Section B Required Cleant Information Regulared Project		Section C	Page:	/ or /	
Company A C - A Penort Town		Invoice Information Atlention: Dave Testa	l	1361102	
Address: Copy To Day		Common Mario	REGULATORY AGENCY		7
PITTSBAGH PA 15220		Address.	NPDES " GROUNE	WATER DRINKING WATER	٦
Email To: Purchase Order N		Pace Quote Reference	UST C RCRA	OTHER	_]
Phone Fax: Project Name:		vanager	Site Location		7
Requested Due Date/TAT: Project Number.		Pace Profile #	STATE:		
			nalysis Filtered (Y/N)		
Section D Matrix Codes Required Check Information MATRIX / CODE	COLLECTED	Preservatives >			
Required Cleent Information MATRIX (CODE) MATRIX (COLLECTED		<u> </u>		٦
Waste Water WW Product P 9	OO COMPOSITE COMPOSITE FANGRAS TIME DATE TIME DATE TIME DATE TIME	NIAINERS NVed I I I I I I I I I I I I I	SCHOOL STATES	Ñ.	
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Other OT O		Serve Serve		19 2~7 1	
(A.Z. 0-9 ') AR AR AR TISSUE TISSUE TO OT XXIII AR AR AR AR AR AR AR AR AR AR AR AR AR	SAMPLE TIME TIME TIME	# OF CONTAINERS Unpresserved HV5O ₄ HV5O ₄ HV1O HCI NBOH NBOH NBOH NBOH Other SAUCY TOL +5 SAUCY (TOL +5 SAUCY (TOL +5 SAUCY (TOL +5)	PATT PATT		1
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4 24/44-47	13:40		- V		₹
5 24/41+ - SB	10:15	7 X 3 X X X X X X X X X X X X X X X X X			Ji
6 24/4/7 - 60	14:30		<u> </u>		→ '
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	3 (5:3)			<u> </u>	2
	6 3:55 6				칠
	C 16:20 0	THE PROPERTY OF THE PROPERTY O			의
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12 ZH/YH - 12R P	QUISHED BY / AFFILIATION DATE	TIME ACCEPTED BY / AFFILIATION	DATE TIME	SAMPLE CONDITIONS	4
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	SAMPLER NAME AND SIGNATURE	Da 2		, c & 5	4
ORIGINAL	PRINT Name of SAMPLER:	Dale n Laco en		g g € g g ∈ mi ←	
	SIGNATURE of SAMPLER:	CA) DATE Simond	معاملا	Custody ealed Co (Y/N) (Y/N) (Y/N)	
		That a hoge (MM/DD/YY): SI	10/10	F S F F F F F F F F F F F F F F F F F F	

CABOT-EPA 006733

Chain of Custody

/	Pace Analytic	cal"					S		O. No: ASR-	
	Analytical Services					Request D Shipped	ale: 5/10/10 By:	Analy	sis Due Date:	ASAP
Suite	Roseytown Road es 2,3, & 4					Certifi	cation Required:		PA Cert	
	ensburg, PA 15601 ne: (724) 850-5600					c	ace Project No.;		3027393	
	(724) 850-5601				Page1of1		leport/Invoice to:		Tim Reed	
П		T	Collection		I			Analytical	Detection	Units
	Pace Sample ID:	Matrix:	Date:	Time:		nalysis Requested:		Method:	Limits:	Requested:
1	3027393001	SL	5/10/10		Ethylene Glycol					
2	3027393003	SL	5/10/10		Ethylene Glycol					
3	3027393005	SL	5/10/10		Ethylene Glycol					
4	3027393007	SL	5/10/10		Ethylene Glycol			1		
5	3027393009	SL	5/10/10		Ethylene Glycol			1	í	
6	3027393011	SL	5/10/10		Ethylene Glycol			1	,	
7	3027393013	SL	5/10/10		Ethylene Glycol				1	L
8	3027393015	SL	5/10/10		Ethylene Glycol			1 2 2	- Î	
9	3027393017	SL	5/10/10		Ethylene Glycol					
10	3027393019	SL	5/10/10		Ethylene Glycol			Leanni	7	
11	3027393021	SL	5/10/10		Ethylene Glycol					
12	3027393023	SL	5/10/10		Ethylene Glycol					
	cial Requirements: contract Lab: ress:	3310 Win S Cuyahoga	Falls, OH 4422			Analysis Authorized By: Acceptance of Terms B	Pace Agent Na	me		Title
Phor	ne:	330-253-82	11		<u> </u>		Subcontract La	b Agent		Title
Relin	iquised By:				5-11-10170	Received	By:			
Relin	nquised By:	(Signature & A			(Date) (Time)	Received	(Signature & Af By: (Signature & Af		5/	(Date) (Time) //2//ひ //: ひ。 (Date) (Time)
Com	ments:									

DIM0227454

ASR (C015-0 31July2007)

Summit Environmental Technologies, Inc. Cooler Receipt Form

Client: Pace	Order Nu	ımber://	206911	
Date Received: 5/12/13	Time Re	ceived: 10	10	
Number of Coolers/Boxes: /	N/A			
Shipper: FEDEX UPS DHL Airborne	US Postal Wal	k-in Pickup	Other:	
Packaging: Reanuts Bubbl	e Wrap Paper F	oam None	Other:	
Tape on cooler/box:	\mathcal{Q}	N	N/A	
Custody Seals intact	(V)	N	N/A	
C-D-C in plastic	Ŷ	N	N/A	
IceBlue ice		absent / mel	ted N/A	
Sample Temperature	2.0	°C	N/A	
C-O-C filled out properly	W	N	N/A	
Samples in separate bags	\bigcirc	N	N/A	
Sample containers intact* .	8	N	N/A	
If no, list broken sample(s):		·····		
Sample label(s) complete (ID, date, etc.)	\bigcirc	N	N/A	
abel(s) agree with C-O-C		N	N/A	
correct containers used		N	N/A	
ufficient sample received	(Y)	N	N/A	
ubbles absent from 40 mL vials**	Y	N	NYA)	
Samples with bubbles less than the size of	a pea are acceptab	le.		
as client contacted about samples	Y	N	•	
fill client send new samples	Y	N		
ient contact:		,		
ate/Time:				
gged in by:				
mments:				

Rev. 6

CABOT-EPA 006734

Sa	ample Condition Upon Receipt
/ Face Analytical Client Name	he: $\frac{\sqrt{K}}{\sqrt{S}}$ Project # $\frac{302739}{\sqrt{S}}$
Courier: Fed Ex UPS USPS Clic	Proj. Due Date:
Custody Seal on Cooler/Box Present:	/ IPTOL Name: -
Packing Material: Bubble Wrap	ole Bags None Other Man
Thermometer Used 3 5	Type of ice: Wei Blue None Samples on ice, cooling process has begun
Cooler Temperature 5. 9 Temp should be above freezing to 6°C	Biological Tissue is Frozen: Yes No Comments: Date and Initials of person examining contents:
Chain of Custody Present:	Greg DNO DNA 1.
Chain of Custody Filled Out:	Dys DNo DNA 2.
Chain of Custody Relinquished:	□Yes (☐NA) □NA 3.
Sampler Name & Signature on COC	(DYS ONO ONA 4.
Samples Arrived within Hold Time:	COYES DNO DNA 5.
Short Hold Time Analysis (<72hr):	□Yes □No □NA 6.
Rush Turn Around Time Requested:	(Tyes ONO ONA 7. 3 de)
Sufficient Volume:	TYES INO IN/A 8.
Correct Containers Used:	Pres DNO DNA 9.
-Pace Containers Used:	(Dyes DNo DNA
Containers Intact:	(☐) Pes □No □N/A 10.
Filtered volume received for Dissolved tests	□Yes □No OND 11.
Sample Labels match COC:	(Dres Ono On/A 12.
-Includes date/time/ID/Analysis Matrix:	56,
All containers needing preservation have been checked.	□Yes □No ANYA 13.
All containers needing preservation are found to be in compliance with EPA recommendation.	Lifes DNO CEDUA
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	Tyes No Initial when Lot # of added preservative
Samples checked for dechlorination:	Oyes Ond On/A 14.
Headspace in VOA Vials (>6mm):	Dyes One Owa 15.
Trip Blank Present:	Oves One One 16.
Trip Blank Custody Seals Present	Dyes DNO DNA
Pace Trip Blank Lot # (if purchased):	
Client Notification/ Resolution:	Field Data Required? Y / N
Person Contacted:	Date/Time:
Comments/ Resolution:	
Project Manager Review:	Date: 5/12//0

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. out of hold, incorrect preservative, out of temp, incorrect containers)

F-ALLC003-4 23Feb2010



May 20, 2010

Mr. Jim Pinta URS Corporation Foster Plaza 4 501 Holiday Drive, Suite 300 Pittsburgh, PA 15220

RE: Project: 2H/4H-13
Pace Project No.: 3027647

Dear Mr. Pinta:

Enclosed are the analytical results for sample(s) received by the laboratory on May 14, 2010. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

The samples were subcontracted to Summit Environmental, 3310 Win Street, Cuyahoga Falls, OH 44223 for Glycol analysis. Results of the analysis are reported on the Summit Environmental. data tables.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Timothy Reed

timothy.reed@pacelabs.com Project Manager

Enclosures

REPORT OF LABORATORY ANALYSIS

Page 1 of 26

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nelac

CABOT-EPA 006736



CERTIFICATIONS

Project

2H/4H-13

Pace Project No :

3027647

Pennsylvania Certification IDs 1638 Roseytown Road Suites 2,3&4 Greensburg, PA

Wyoming Certification #: 8TMS-Q Wisconsin/PADEP Certification West Virginia Certification # 143
Washington Certification # C1941
Virginia Certification # . 00112
Virgin Island/PADEP Certification

Utah/NELAC Certification #. ANTE Texas/NELAC Certification #: T104704188-09 TX Tennessee Certification #: TN2867 South Dakota Certification Puerto Rico Certification # PA01457
Pennsylvania/NELAC Certification # 65-00282
Oregon/NELAC Certification #: PA200002
North Carolina Certification #: 42706

New York/NELAC Certification #: 10888

New Mexico Certification
New Jersey/NELAC Certification #: PA 051
New Hampshire/NELAC Certification #: 2976
Nevada Certification

Montana Certification #: Cert 0082 Missouri Certification #. 235

Michigan/PADEP Certification Massachusetts Certification #. M-PA1457 Maryland Certification #: 308

Maine Certification #: PA0091
Louisiana/NELAC Certification #. LA080002

Louisiana/NELAC Certification # 4086 Kentucky Certification #: 90133 Kansas/NELAC Certification #: E-10358

lowa Certification #: 391
Indiana/PADEP Certification
Illinois/PADEP Certification
Idaho Certification

Hawaii/PADEP Certification
Guam/PADEP Certification
Florida/NELAC Certification #: E87683

Delaware Certification Connecticut Certification # PH 0694

Colorado Certification

California/NELAC Certification #. 04222CA

Arkansas Certification

Arizona Certification #: AZ0734

Alabama Certification # 41590

REPORT OF LABORATORY ANALYSIS

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Page 2 of 26

DIM0227970

CABOT-EPA 006737

DIM0227454



SAMPLE ANALYTE COUNT

Project.

2H/4H-13

Pace Project No.: 3027647

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
3027647001	HIB2H/4H-13	EPA 6010B	SAB	24	PASI-PA
		EPA 7471	CTS	1	PASI-PA
		EPA 8270	SPL	75	PASI-PA
		EPA 8260	JEW	55	PASI-PA
		ASTM D2974-87	DSC	1	PASI-PA
		EPA 350.1	DJT	1	PASI-PA
3027647002	HIB2H/4H-13 ASTM	SM 5540C	RAA	1	PASI-PA
		SM 4500-CI-E	DJ⊤	1	PASI-PA

REPORT OF LABORATORY ANALYSIS

Page 3 of 26

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CABOT-EPA 006738



ANALYTICAL RESULTS

Project 2H/4H-13
Pace Project No.. 3027647

Results reported on a "dry-weight" basis Parameters Results 6010 MET ICP Analytical Method Aluminum 9190 mg/k Antimony ND mg/k Arsenic 7.3 mg/k Barium 604 mg/k Beryllium 0.44 mg/k Boron ND mg/k Cadmium ND mg/k Calcium 1490 mg/k Chromium 11.4 mg/k Cobalt 11.9 mg/k	6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	Report Limit 8 Preparation Me 6.5 0.33 0.33 1.3 0.13 3.3 0.13 131 0.33 0.65 0.65 6.5	1 1 1 1 1 1 1 1	05/16/10 22.52 05/16/10 22:52 05/16/10 22:52 05/16/10 22:52 05/16/10 22:52 05/16/10 22.52 05/16/10 22.52 05/16/10 22.52	Analyzed 05/17/10 15:42 05/17/10 15:42 05/17/10 15:42 05/17/10 15:42 05/17/10 15:42 05/17/10 15:42 05/17/10 15:42 05/17/10 15:42	7440-36-0 7440-38-2 7440-39-3 7440-41-7 7440-42-8 7440-43-9	Qua
6010 MET ICP Analytical Methor Aluminum 9190 mg/k Antimony ND mg/k Arsenic 7.3 mg/k Barium 604 mg/k Beryllium 0.44 mg/k Boron ND mg/k Cadmium ND mg/k Calcium 1490 mg/k Chromium 11.4 mg/k	d: EPA 6010E	6.5 0.33 0.33 1.3 0.13 3.3 0.13 131 0.33 0.65	ethod: El 1 1 1 1 1 1 1 1 1	PA 3050 05/16/10 22:52 05/16/10 22:52 05/16/10 22:52 05/16/10 22:52 05/16/10 22:52 05/16/10 22:52 05/16/10 22:52 05/16/10 22:52 05/16/10 22:52	05/17/10 15:42 05/17/10 15:42 05/17/10 15:42 05/17/10 15:42 05/17/10 15:42 05/17/10 15:42 05/17/10 15:42 05/17/10 15:42	7429-90-5 7440-36-0 7440-38-2 7440-39-3 7440-41-7 7440-42-8 7440-43-9	- Qua
Aluminum 9190 mg/k Antimony ND mg/k Arsenic 7.3 mg/k Barium 604 mg/k Beryllium 0.44 mg/k Boron ND mg/k Cadmium ND mg/k Calcium 1490 mg/k Chromium 11.4 mg/k	6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	6.5 0.33 0.33 1.3 0.13 3.3 0.13 131 0.33 0.65	1 1 1 1 1 1 1 1	05/16/10 22.52 05/16/10 22:52 05/16/10 22:52 05/16/10 22:52 05/16/10 22:52 05/16/10 22.52 05/16/10 22.52 05/16/10 22.52	05/17/10 15:42 05/17/10 15:42 05/17/10 15:42 05/17/10 15:42 05/17/10 15:42 05/17/10 15:42 05/17/10 15:42	7440-36-0 7440-38-2 7440-39-3 7440-41-7 7440-42-8 7440-43-9	
Antimony ND mg/k Arsenic 7.3 mg/k Barium 604 mg/k Beryllium 0.44 mg/k Boron ND mg/k Cadmium ND mg/k Calcium 1490 mg/k Chromium 11.4 mg/k	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	0.33 0.33 1.3 0.13 3.3 0.13 131 0.33 0.65	1 1 1 1 1 1 1 1	05/16/10 22:52 05/16/10 22:52 05/16/10 22:52 05/16/10 22:52 05/16/10 22:52 05/16/10 22:52 05/16/10 22:52 05/16/10 22:52	05/17/10 15:42 05/17/10 15:42 05/17/10 15:42 05/17/10 15:42 05/17/10 15:42 05/17/10 15:42 05/17/10 15:42	7440-36-0 7440-38-2 7440-39-3 7440-41-7 7440-42-8 7440-43-9	
Arsenic 7.3 mg/k Barium 604 mg/k Beryllium 0.44 mg/k Boron ND mg/k Cadmium ND mg/k Calcium 1490 mg/k Chromium 11.4 mg/k	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	0.33 1.3 0.13 3.3 0.13 131 0.33 0.65	1 1 1 1 1 1 1	05/16/10 22:52 05/16/10 22:52 05/16/10 22:52 05/16/10 22:52 05/16/10 22:52 05/16/10 22:52 05/16/10 22:52	05/17/10 15:42 05/17/10 15:42 05/17/10 15·42 05/17/10 15.42 05/17/10 15:42 05/17/10 15:42	7440-38-2 7440-39-3 7440-41-7 7440-42-8 7440-43-9	
Barium 604 mg/k Beryllium 0.44 mg/k Boron ND mg/k Cadmium ND mg/k Calcium 1490 mg/k Chromium 11.4 mg/k	69 69 69 69 69 69 69	1.3 0.13 3.3 0.13 131 0.33 0.65	1 1 1 1 1 1	05/16/10 22:52 05/16/10 22:52 05/16/10 22:52 05/16/10 22:52 05/16/10 22:52 05/16/10 22:52	05/17/10 15:42 05/17/10 15:42 05/17/10 15:42 05/17/10 15:42 05/17/10 15:42	7440-39-3 7440-41-7 7440-42-8 7440-43-9	
Barium 604 mg/k Beryllium 0.44 mg/k Boron ND mg/k Cadmium ND mg/k Calcium 1490 mg/k Chromium 11.4 mg/k	69 69 69 69 69 69 69	0.13 3.3 0.13 131 0.33 0.65 0.65	1 1 1 1 1	05/16/10 22:52 05/16/10 22:52 05/16/10 22:52 05/16/10 22:52 05/16/10 22:52	05/17/10 15:42 05/17/10 15:42 05/17/10 15:42 05/17/10 15:42	7440-41-7 7440-42-8 7440-43-9	
Beryllium 0.44 mg/k Boron ND mg/k Cadmium ND mg/k Calcium 1490 mg/k Chromium 11.4 mg/k	69 69 69 69 69 69 69	3.3 0.13 131 0.33 0.65 0.65	1 1 1 1	05/16/10 22:52 05/16/10 22:52 05/16/10 22:52 05/16/10 22:52 05/16/10 22:52	05/17/10 15:42 05/17/10 15:42 05/17/10 15:42 05/17/10 15:42	7440-41-7 7440-42-8 7440-43-9	
Cadmium ND mg/k Calcium 1490 mg/k Chromium 11.4 mg/k	ed ed ed ed ed	0.13 131 0.33 0 65 0 65	1 1 1 1	05/16/10 22.52 05/16/10 22.52 05/16/10 22.52	05/17/10 15:42 05/17/10 15:42	7440-43-9	
Calcium 1490 mg/k Chromium 11.4 mg/k	29 29 29 39	131 0.33 0 65 0 65	1 1 1	05/16/10 22.52 05/16/10 22.52	05/17/10 15:42		
Chromium 11.4 mg/k	ea ea ea	0.33 0 65 0 65	1 1	05/16/10 22.52		7440-70-2	
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=	;g ;g	0 65		05/46/40 22:52		7440-47-3	
coon.	g			00/10/10 22 32	05/17/10 15:42	7440-48-4	
Copper 5.1 mg/k	g		1		05/17/10 15:42		
ron 18000 mg/k	-		1		05/17/10 15:42		
Lead 7.9 mg/k		0.33	1	05/16/10 22:52	05/17/10 15 42	7439-92-1	
Magnesium 3520 mg/k	κα	32 7	1		05/17/10 15:42		
Manganese 204 mg/k	-	0.65	1		05/17/10 15:42		
Molybdenum ND mg/k	-	1.3	1		05/17/10 15:42		
Nickel 17.3 mg/k	•	1.3	1		05/17/10 15:42		
Potassium 1160 mg/k	~	32.7	1		05/17/10 15:42		
Selenium ND mg/k	-	0.33	1		05/17/10 15:42		
Silver 0.14 mg/k	_	0.13	1		05/17/10 15:42		
Sodium ND mg/k	_	327	1		05/17/10 15:42		
Thallium ND mg/k	-	1.3	1		05/17/10 15:42		
Vanadium 10.1 mg/k	•	0.65	1		05/17/10 15:42		
Zinc 47.2 mg/F		0.65	i		05/17/10 15 42		
7471 Mercury Analytical Metho							
•		0.11	1		05/19/10 09:24	7420 07 6	
Mercury ND mg/l	•				03/19/10 09.24	1439-91-0	
8270 MSSV FULL LIST Analytical Metho MICROWAVE	d: EPA 8270	Preparation Me	thod EP	A 3546			
Acenaphthene ND ug/k	g	362	1	05/17/10 16.33	05/18/10 15:56	83-32-9	
Acenaphthylene ND ug/k	9	362	1	05/17/10 16:33	05/18/10 15:56	208-96-8	
Anthracene ND ug/k	•	362	1		05/18/10 15:56		
Azobenzene ND ug/k	-	362	1	05/17/10 16:33	05/18/10 15.56	103-33-3	
Benzo(a)anthracene ND ug/k	-	362	1		05/18/10 15.56		
Benzo(a)pyrene ND ug/k	•	362			05/18/10 15:56		
Benzo(b)fluoranthene ND ug/k	-	362			05/18/10 15:56		
Benzo(g,h,i)perylene ND ug/k	~	362			05/18/10 15:56		
Benzo(k)fluoranthene ND ug/k	-	362	1		05/18/10 15:56		
Benzoic acid ND ug/k	-	906			05/18/10 15:56		
Benzyl alcohol ND ug/k	_	362			05/18/10 15:56		
4-Bromophenylphenyl ether ND ug/k	_	362			05/18/10 15:56		
Butylbenzylphthalate ND ug/k	-	362			05/18/10 15.56		
Carbazole ND ug/k	-	362			05/18/10 15.56		
4-Chloro-3-methylphenol ND ug/k	-	362	1		05/18/10 15:56		
4-Chloroaniline ND ug/k	-	362	1		05/18/10 15:56		

Date. 05/20/2010 01.58 PM REPORT OF LABORATORY ANALYSIS

Page 4 of 26

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CABOT-EPA 006739



ANALYTICAL RESULTS

Project:

2H/4H-13

Pace Project No.: 3027647

Sample: 2H/4H-13 Lab ID: 3027647001 Collected: 05/13/10 11:15 Received: 05/14/10 10:30 Matrix: Solid

Parameters	Results L	Jnits Report Limit	DF	Prepared	Analyzed	CAS No.	Qua
3270 MSSV FULL LIST MICROWAVE	Analytical Method:	EPA 8270 Preparation Met	nod. EF	A 3546	-		
ois(2-Chloroethoxy)methane	ND ug/kg	362	1	05/17/10 16 33	05/18/10 15 56	111-91-1	
ois(2-Chloroethyl) ether	ND ug/kg	362	1		05/18/10 15:56		
ois(2-Chloroisopropyl) ether	ND ug/kg	362	1		05/18/10 15:56		
2-Chloronaphthalene	ND ug/kg	362	1		05/18/10 15:56		
2-Chlorophenol	ND ug/kg	362	1		05/18/10 15.56		
4-Chlorophenylphenyl ether	ND ug/kg	362	1		05/18/10 15:56		
Chrysene	ND ug/kg	362	i		05/18/10 15:56		
Dibenz(a,h)anthracene	ND ug/kg	362	1		05/18/10 15:56		
Dibenzofuran	ND ug/kg	362	1		05/18/10 15:56		
1,2-Dichlorobenzene	ND ug/kg	362	i		05/18/10 15:56		
1,3-Dichlorobenzene	ND ug/kg	362	1		05/18/10 15:56		
1,4-Dichlorobenzene	ND ug/kg	362	1		05/18/10 15:56		
3,3'-Dichlorobenzidine	ND ug/kg	362	1		05/18/10 15:56		
2,4-Dichlorophenol	ND ug/kg	362	1				
Diethylphthalate					05/18/10 15:56		
2,4-Dimethylphenol	ND ug/kg	362	1		05/18/10 15.56		
Dimethylphthalate	ND ug/kg	362	1		05/18/10 15:56		
• •	ND ug/kg	362	1		05/18/10 15:56		
Di-n-butylphthalate	ND ug/kg	362	1		05/18/10 15:56		
4,6-Dinitro-2-methylphenol	ND ug/kg	906	1		05/18/10 15.56		
2,4-Dinitrophenol	ND ug/kg	906	1		05/18/10 15:56		
2,4-Dinitrotoluene	ND ug/kg	362	1		05/18/10 15:56		
2,6-Dinitrotoluene	ND ug/kg	362	1	05/17/10 16:33	05/18/10 15:56	606-20-2	
Di-n-octylphthalate	ND ug/kg	362	1	05/17/10 16.33	05/18/10 15:56	117-84-0	
ois(2-Ethylhexyl)phthalate	ND ug/kg	362	1	05/17/10 16:33	05/18/10 15:56	117-81-7	
-luoranthene	ND ug/kg	362	1	05/17/10 16:33	05/18/10 15:56	206-44-0	
Fluorene	ND ug/kg	362	1	05/17/10 16:33	05/18/10 15:56	86-73-7	
lexachloro-1,3-butadiene	ND ug/kg	362	1	05/17/10 16.33	05/18/10 15 56	87-68-3	
Hexachlorobenzene	ND ug/kg	362	1	05/17/10 16.33	05/18/10 15:56	118-74-1	
-lexachlorocyclopentadiene	ND ug/kg	362	1	05/17/10 16:33	05/18/10 15:56	77-47-4	
Hexachloroethane	ND ug/kg	362	1	05/17/10 16.33	05/18/10 15:56	67-72-1	
ndeno(1,2,3-cd)pyrene	ND ug/kg	362	1	05/17/10 16 33	05/18/10 15.56	193-39-5	
sophorone	ND ug/kg	362	1	05/17/10 16:33	05/18/10 15:56	78-59-1	
1-Methylnaphthalene	ND ug/kg	362	1		05/18/10 15:56		
2-Methylnaphthalene	ND ug/kg	362	1		05/18/10 15:56		
2-Methylphenol(o-Cresol)	ND ug/kg	362	1		05/18/10 15.56		
8&4-Methylphenol(m&p Cresol)	ND ug/kg	725	1		05/18/10 15:56	00 40 1	
Naphthalene	ND ug/kg	362	1		05/18/10 15:56	91-20-3	
2-Nitroaniline	ND ug/kg	906	1		05/18/10 15:56		
3-Nitroaniline	ND ug/kg	906	i		05/18/10 15:56		
1-Nitroaniline	ND ug/kg	906	1		05/18/10 15.56		
Nitrobenzene	ND ug/kg	362	1		05/18/10 15:56		
2-Nitrophenol	ND ug/kg	362	1				
4-Nitrophenol	ND ug/kg	362	1		05/18/10 15:56		
N-Nitroprierior	ND ug/kg ND ug/kg	362	1		05/18/10 15:56		
N-Nitrosodimethylamine N-Nitroso-di-n-propylamine	ND ug/kg ND ug/kg	362 362	1		05/18/10 15·56	62-75-9 621-64-7	

Date: 05/20/2010 01:58 PM

REPORT OF LABORATORY ANALYSIS

Page 5 of 26

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CABOT-EPA 006740



ANALYTICAL RESULTS

Project: 2H/4H-13
Pace Project No: 3027647

Collected: 05/13/10 11.15 Received: 05/14/10 10:30 Matrix: Solid Lab ID: 3027647001 Sample: 2H/4H-13 Results reported on a "dry-weight" basis **Parameters** Results Units Report Limit DF Prepared Analyzed CAS No Qual 8270 MSSV FULL LIST Analytical Method: EPA 8270 Preparation Method: EPA 3546 **MICROWAVE** ND ug/kg 362 05/17/10 16:33 05/18/10 15.56 86-30-6 N-Nitrosodiphenylamine Pentachlorophenol ND ug/kg 906 05/17/10 16:33 05/18/10 15:56 87-86-5 ND ug/kg 362 05/17/10 16 33 05/18/10 15:56 85-01-8 Phenanthrene Phenol ND ug/kg 362 05/17/10 16 33 05/18/10 15:56 108-95-2 362 05/17/10 16 33 05/18/10 15:56 129-00-0 Pyrene ND ug/kg 1 1,2,4-Trichlorobenzene ND ug/kg 362 05/17/10 16:33 05/18/10 15.56 120-82-1 ND ug/kg 2,4,5-Trichlorophenol 906 05/17/10 16:33 05/18/10 15.56 95-95-4 2,4,6-Trichlorophenol ND ug/kg 362 1 05/17/10 16:33 05/18/10 15:56 88-06-2 Nitrobenzene-d5 (S) 75 % 35-114 05/17/10 16.33 05/18/10 15:56 4165-60-0 1 2-Fluorobiphenyl (S) 87 % 43-116 1 05/17/10 16.33 05/18/10 15:56 321-60-8 Terphenyl-d14 (S) 121 % 33-141 05/17/10 16.33 05/18/10 15:56 1718-51-0 05/17/10 16:33 05/18/10 15.56 13127-88-3 Phenol-d6 (S) 78 % 10-110 1 05/17/10 16:33 05/18/10 15:56 367-12-4 2-Fluorophenol (S) 84 % 21-110 1 10-123 05/17/10 16 33 05/18/10 15:56 118-79-6 2,4,6-Tribromophenol (S) 74 % 1 8260 MSV 5030 Low Level Analytical Method EPA 8260 05/18/10 14:10 67-64-1 Acetone 21.8 ug/kg 8.9 1 Benzene ND ug/kg 4.4 05/18/10 14:10 71-43-2 Bromochloromethane ND ug/kg 4.4 05/18/10 14 10 74-97-5 Bromodichloromethane ND ug/kg 4.4 05/18/10 14.10 75-27-4 Bromoform ND ug/kg 4.4 05/18/10 14:10 75-25-2 Bromomethane ND ug/kg 4.4 1 05/18/10 14:10 74-83-9 TOTAL BTEX ND ug/kg 266 1 05/18/10 14:10 05/18/10 14:10 78-93-3 2-Butanone (MEK) ND ug/kg 8.9 n-Butylbenzene ND ug/kg 44 05/18/10 14:10 104-51-8 sec-Butylbenzene ND ug/kg 4.4 1 05/18/10 14:10 135-98-8 05/18/10 14:10 75-15-0 Carbon disulfide ND ug/kg 44 1 05/18/10 14:10 56-23-5 Carbon tetrachloride ND ug/kg 05/18/10 14:10 108-90-7 Chlorobenzene ND ug/kg 44 05/18/10 14:10 75-00-3 Chloroethane ND ug/kg 4.4 05/18/10 14:10 67-66-3 Chloroform ND ug/kg 44 05/18/10 14 10 74-87-3 Chloromethane ND ug/kg 4.4 05/18/10 14:10 124-48-1 Dibromochloromethane ND ug/kg 44 05/18/10 14:10 95-50-1 1,2-Dichlorobenzene ND ug/kg 4.4 05/18/10 14:10 541-73-1 1.3-Dichlorobenzene ND ug/kg 44 05/18/10 14:10 106-46-7 1,4-Dichlorobenzene ND ug/kg 05/18/10 14:10 75-34-3 1.1-Dichloroethane ND ug/kg 44 05/18/10 14:10 107-06-2 1,2-Dichloroethane ND ug/kg 44 05/18/10 14:10 540-59-0 1,2-Dichloroethene (Total) ND ug/kg 8.9 05/18/10 14:10 75-35-4 1,1-Dichloroethene ND ug/kg 4.4 05/18/10 14:10 156-59-2 cis-1.2-Dichloroethene ND ug/kg 4.4 05/18/10 14:10 156-60-5 trans-1,2-Dichloroethene ND ug/kg 4.4 05/18/10 14:10 78-87-5 1.2-Dichloropropane ND ug/kg 44 1 05/18/10 14:10 10061-01-5 cis-1,3-Dichloropropene ND ug/kg 05/18/10 14:10 10061-02-6 trans-1,3-Dichloropropene ND ug/kg 4.4

Date: 05/20/2010 01:58 PM

REPORT OF LABORATORY ANALYSIS

Page 6 of 26

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CABOT-EPA 006741



Pace Analytical Services, Inc.

1638 Roseytown Road - Suites 2,3,4 Greensburg, PA 15601

(724)850-5600

ANALYTICAL RESULTS

Project.

2H/4H-13

Pace Project No.: 3027647

Sample: 2H/4H-13	Lab ID: 3027647001	Collected: 05/13/1	0 11:15	Received: 05	5/14/10 10.30 N	/latrix: Solid	
Results reported on a "dry-weight	t" basis						
Parameters	Results Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5030 Low Level	Analytical Method: EPA 8	260					
Ethylbenzene	ND ug/kg	4.4	1		05/18/10 14·10	100-41-4	
2-Hexanone	ND ug/kg	8.9	1		05/18/10 14:10	591-78-6	
Isopropylbenzene (Cumene)	ND ug/kg	4.4	1		05/18/10 14:10	98-82-8	
p-Isopropyltoluene	N D ug/kg	4.4	1		05/18/10 14:10	99-87-6	
Methylene Chloride	ND ug/kg	4 4	1		05/18/10 14:10	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/kg	8.9	1		05/18/10 14:10	108-10-1	
Methyl-tert-butyl ether	ND ug/kg	4.4	1		05/18/10 14:10	1634-04-4	
Naphthalene	ND ug/kg	4.4	1		05/18/10 14:10	91-20-3	
n-Propylbenzene	ND ug/kg	4 4	1		05/18/10 14:10	103-65-1	
Styrene	ND ug/kg	4.4	1		05/18/10 14:10	100-42-5	
1,1,2,2-Tetrachloroethane	ND ug/kg	4.4	1		05/18/10 14·10	79-34-5	
Tetrachloroethene	ND ug/kg	4.4	1		05/18/10 14·10	127-18-4	
Toluene	ND ug/kg	4.4	1		05/18/10 14:10	108-88-3	
1,2,4-Trichlorobenzene	ND ug/kg	4.4	1		05/18/10 14:10	120-82-1	
1,1,1-Trichloroethane	ND ug/kg	4.4	1		05/18/10 14:10	71-55-6	
1,1,2-Trichloroethane	ND ug/kg	4.4	1		05/18/10 14:10	79-00-5	
Trichloroethene	ND ug/kg	4.4	1		05/18/10 14:10	79-01-6	
1,2,4-Trimethylbenzene	ND ug/kg	4.4	1		05/18/10 14:10	95-63-6	
1,3,5-Trimethylbenzene	ND ug/kg	4.4	1		05/18/10 14:10	108-67-8	
Vinyi chloride	ND ug/kg	4.4	1		05/18/10 14:10	75-01-4	
Xylene (Total)	ND ug/kg	13.3	1		05/18/10 14:10	1330-20-7	
m&p-Xylene	ND ug/kg	8.9	1		05/18/10 14.10	179601-23-1	
o-Xylene	ND ug/kg	4.4	1		05/18/10 14:10	95-47-6	
Toluene-d8 (S)	95 %	70-130	1		05/18/10 14:10	2037-26-5	
4-Bromofluorobenzene (S)	103 %	70-130	1		05/18/10 14:10	460-00-4	
1,2-Dichloroethane-d4 (S)	101 %	70-130	1		05/18/10 14:10	17060-07-0	
Percent Moisture	Analytical Method: ASTM	I D2974-87					
Percent Moisture	10 %	0.10	1		05/14/10 16:02	2	
350.1 Ammonia	Analytical Method: EPA 3	350 1					
Nitrogen, Ammonia	21.8 mg/kg	5.5	1		05/19/10 11·56	7664-41-7	

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REPORT OF LABORATORY ANALYSIS

Page 7 of 26

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CABOT-EPA 006742



ANALYTICAL RESULTS

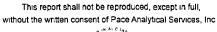
Project. 2H/4H-13
Pace Project No.: 3027647

Sample: 2H/4H-13 ASTM	Lab ID: 30276476	002 Collected. 05/13/	10 11:15	Received. 05	/14/10 10:30 I	Matrix: Water	
Parameters	Results L	Jnits Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
5540C MBAS Surfactants	Analytical Method. S	SM 5540C					
Surfactants	ND mg/L	0.10	1		05/19/10 11:30)	2c
4500 Chloride	Analytical Method: \$	SM 4500-CI-E					
Chlonde	ND mg/L	3.0	1		05/19/10 13:50	16887-00-6	

Date: 05/20/2010 01:58 PM

REPORT OF LABORATORY ANALYSIS

Page 8 of 26





CABOT-EPA 006743



QUALITY CONTROL DATA

Project:

2H/4H-13

Pace Project No.: 3027647

QC Batch:

MPRP/3844

Analysis Method.

Blank

EPA 6010B

QC Batch Method: EPA 3050

Analysis Description:

6010 MET

Associated Lab Samples: 3027647001

METHOD BLANK 170968 Associated Lab Samples: 3027647001

Matrix: Solid

Reporting

Parameter	Units	Result	Limit	Analyzed	Qualifiers
······································					- Gradinois
Aluminum	mg/kg	ND	10.0	05/17/10 15:29	
Antimony	mg/kg	ND	0.50	05/17/10 15.29	
Arsenic	mg/kg	ND	0.50	05/17/10 15:29	
Banum	mg/kg	ND	2.0	05/17/10 15:29	
Beryllium	mg/kg	ND	0.20	05/17/10 15:29	
Boron	mg/kg	ND	5.0	05/17/10 15:29	
Cadmium	mg/kg	ND	0.20	05/17/10 15:29	
Calcium	mg/kg	ND	200	05/17/10 15:29	
Chromium	mg/kg	ND	0.50	05/17/10 15·29	
Cobalt	mg/kg	ND	1.0	05/17/10 15.29	
Copper	mg/kg	ND	10	05/17/10 15·29	
Iron	mg/kg	ND	10.0	05/17/10 15:29	
Lead	mg/kg	ND	0.50	05/17/10 15:29	
Magnesium	mg/kg	ND	5 0 .0	05/17/10 15.29	
Manganese	mg/kg	ND	1.0	05/17/10 15:29	
Molybdenum	mg/kg	ND	20	05/17/10 15 29	
Nickel	mg/kg	ND	2.0	05/17/10 15:29	
Potassium	mg/kg	ND	50.0	05/17/10 15:29	
Selenium	mg/kg	ND	0.50	05/17/10 15:29	
Silver	mg/kg	ND	0 20	05/17/10 15:29	
Sodium	mg/kg	ND	500	05/17/10 15:29	
Thallium	mg/kg	ND	2.0	05/17/10 15:29	
Vanadium	mg/kg	ND	1.0		
Zinc	mg/kg	ND	1.0		
	-				

LABORATORY CONTROL SAMPLE:	170969					
		Spike	LCS	LCS	% Rec	
Parameter	Units	Conc.	Result	% Rec	Limits	Qualifiers
A!uminum	mg/kg	500	473	95	80-120	
Antimony	mg/kg	50	45.3	91	80-120	
Arsenic	mg/kg	50	44.5	89	80-120	
Barium	mg/kg	50	48.0	96	80-120	
Beryllium	mg/kg	50	48.2	96	80-120	
Boron	mg/kg	50	44.0	88	80-120	
Cadmium	mg/kg	50	45 4	91	80-120	
Calcium	mg/kg	500	474	95	80-120	
Chromium	mg/kg	50	48.9	98	80-120	
Cobalt	mg/kg	50	46.0	92	80-120	
Copper	mg/kg	50	47.3	95	80-120	
Iron	mg/kg	500	474	95	80-120	
Lead	ma/ka	50	44.2	88	80-120	

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REPORT OF LABORATORY ANALYSIS

Page 9 of 26

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CABOT-EPA 006744



QUALITY CONTROL DATA

Project:

2H/4H-13

Pace Project No 3027647

ABORATORY CONTROL SAMPLE	170969					
		Spike	LCS	LCS	% Rec	
Parameter	Units	Conc.	Result	% Rec	Limits	Qualifiers
fagnesium	mg/kg	500	454	91	80-120	
anganese	mg/kg	50	47.4	95	80-120	
olybdenum	mg/kg	50	47.1	94	80-120	
kel	mg/kg	50	47.6	95	80-120	
tassium	mg/kg	500	485	97	80-120	
enium	mg/kg	50	42.8	86	80-120	
er	mg/kg	25	23.4	94	80-120	
dium	mg/kg	500	473J	95	80-120	
allium	mg/kg	50	42.3	85	80-120	
nadium	mg/kg	50	48.5	97	80-120	
C	mg/kg	50	46.8	94	80-120	

MATRIX SPIKE SAMPLE:	170 971						
Parameter	Units	3027647001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Aluminum	mg/kg	9190	347	10100	272	80-120	M0
Antimony	mg/kg	ND	34.7	16.5	47	80-120	M0
Arsenic	mg/kg	7.3	34.7	41.5	98	80-120	
Barium	mg/kg	604	34.7	224	-1100	80-120	MO
Beryllium	mg/kg	0 44	34.7	31.5	89	80-120	
Boron	mg/kg	ND	34.7	29.6	81	80-120	
Cadmium	mg/kg	ND	34.7	29.3	84	80-120	
Calcium	mg/kg	1490	347	1890	1 15	80-120	
Chromium	mg/kg	11.4	34.7	41.6	87	80-120	
Cobalt	mg/kg	11.9	34.7	49.9	109	80-120	
Copper	mg/kg	5.1	34.7	34.5	8 5	80-120	
Iron	mg/kg	18000	347	18800	232	80-120	MO
Lead	mg/kg	7.9	34.7	33 7	74	80-120	M0
Magnesium	mg/kg	3520	347	3970	131	80-120	MO
Manganese	mg/kg	204	34.7	262	168	80-120	M0
Molybdenum	mg/kg	ND	34.7	37.1	106	80-120	
Nickel	mg/kg	17.3	34.7	47.0	86	80-120	
Potassium	mg/kg	1160	347	1410	73	80-120	MO
Selenium	mg/kg	ND	34.7	26.8	77	80-120	M0
Silver	mg/kg	0.14	17.3	15.5	88	80-120	
Sodium	mg/kg	ND	347	485	88	80-120	
Thallium	mg/kg	ND	34.7	27.7	80	80-120	
Vanadium	mg/kg	10.1	34.7	39.8	86	80-120	
Zinc	mg/kg	47.2	34.7	74.2	78	80-120	MO

SAMPLE DUPLICATE: 170970

Parameter	Units	3027647001 Result	Dup Result	RPD	Qualifiers
Aluminum	mg/kg	9190	10100	9	
Antimony	mg/kg	ND	ND		

Date. 05/20/2010 01:58 PM

REPORT OF LABORATORY ANALYSIS

Page 10 of 26

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CABOT-EPA 006745



(724)850-5600

QUALITY CONTROL DATA

Project:

2H/4H-13

Pace Project No.: 3027647

Parameter	Units	3027647001 Result	Dup Result	RPD Qualifiers
Arsenic	mg/kg	7.3	12.7	54 D6
Barium	mg/kg	604	336	57 D6
Beryllium	mg/kg	0.44	0 62	35 D6
Boron	mg/kg	ND	ND	
Cadmium	mg/kg	ND	ND	
Calcium	mg/kg	1490	1560	5
Chromium	mg/kg	11.4	12.1	6
Cobalt	mg/kg	11.9	13.2	10
Copper	mg/kg	5.1	4.4	15
Iron	mg/kg	18000	21100	16
Lead	mg/kg	7.9	5 0	45 D6
Magnesium	mg/kg	3520	4040	14
Manganese	mg/kg	204	230	12
Molybdenum	mg/kg	ND	ND	
Nickel	mg/kg	17.3	20.3	16
Potassium	mg/kg	1160	1140	2
Selenium	mg/kg	ND	ND	
Silver	mg/kg	0.14	.13J	
Sodium	mg/kg	ND	202J	
Thallium	mg/kg	ND	ND	
Vanadium	mg/kg	10.1	10.6	5
Zinc	mg/kg	47. <u>2</u>	50.4	7

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REPORT OF LABORATORY ANALYSIS

Page 11 of 26

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CABOT-EPA 006746



QUALITY CONTROL DATA

Project:

2H/4H-13

Pace Project No.:

3027647

QC Batch

MERP/1921

Analysis Method

EPA 7471

QC Batch Method:

EPA 7471

Analysis Description.

7471 Mercury

Associated Lab Samples: 3027647001

Associated Lab Samples:

METHOD BLANK. 171363

Matrix: Solid

3027647001

Blank Result Reporting Limit

Analyzed

Qualifiers

Mercury

mg/kg

Units

Units

Units

ND

0.10 05/19/10 09.21

LABORATORY CONTROL SAMPLE. 171364

Parameter

Parameter

Parameter

Parameter

Spike Conc.

LCS Result

LCS % Rec % Rec

Limits Qualifiers

.042 89 85-115 .037J Mercury mg/kg

MATRIX SPIKE SAMPLE.

171366

3027647001 Result

Spike Conc.

MS Result

MS % Rec % Rec Limits

Qualifiers

mg/kg ND .11 0 12 98 75-125

SAMPLE DUPLICATE: 171365

3027647001

Dup

.0061J

Qualifiers

Mercury

Mercury

mg/kg

Units

Result ND Result

RPD

Date: 05/20/2010 01:58 PM

REPORT OF LABORATORY ANALYSIS

Page 12 of 26

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CABOT-EPA 006747



QUALITY CONTROL DATA

Project.

QC Batch.

2H/4H-13

Pace Project No: 3027647

OEXT/4910

Analysis Method:

EPA 8270

QC Batch Method: EPA 3546 Analysis Description:

8270 Solid MSSV Microwave

Associated Lab Samples. 3027647001

METHOD BLANK. 171088

Matrix. Solid

Associated Lab Samples: 3027647001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trichlorobenzene		ND -	333		
1,2-Dichlorobenzene	ug/kg ug/kg	ND ND	333	05/18/10 15 ⁻ 11 05/18/10 15:11	
1,3-Dichlorobenzene	ug/kg ug/kg	ND	333	05/18/10 15:11	
1,4-Dichlorobenzene	ug/kg ug/kg	ND ND	333	05/18/10 15:11	
2,4,5-Trichlorophenol	ug/kg ug/kg	ND ND	833	05/18/10 15:11	
2,4,6-Trichlorophenol	ug/kg ug/kg	ND	333	05/18/10 15:11	
2,4-Dichlorophenol	ug/kg ug/kg	ND	333	05/18/10 15:11	
2,4-Dimethylphenol	ug/kg ug/kg	ND ND	333	05/18/10 15:11	
2,4-Dintrophenol	ug/kg ug/kg	ND	833		
· · · · · · · · · · · · · · · · · · ·		ND ND	333	05/18/10 15:11	
2,4-Dinitrotoluene	ug/kg	ND ND	333	05/18/10 15:11	
2,6-Dinitrotoluene	ug/kg	ND ND	333	05/18/10 15:11	
2-Chloronaphthalene	ug/kg			05/18/10 15:11	
2-Chlorophenol	ug/kg	ND	333	05/18/10 15:11	
2-Methylnaphthalene	ug/kg	ND	333	05/18/10 15:11	
2-Methylphenol(o-Cresol)	ug/kg	ND	333	05/18/10 15:11	
2-Nitroaniline	ug/kg	ND	833	05/18/10 15:11	
2-Nitrophenol	ug/kg	ND	333	05/18/10 15:11	
3&4-Methylphenol(m&p Cresol)	ug/kg	ND	666	05/18/10 15:11	
3,3'-Dichlorobenzidine	ug/kg	ND	333	05/18/10 15.11	
3-Nitroaniline	ug/kg	ND	833	05/18/10 15:11	
4,6-Dinitro-2-methylphenol	ug/kg	ND	833	05/18/10 15:11	
4-Bromophenylphenyl ether	ug/kg	ND	333	05/18/10 15:11	
4-Chloro-3-methylphenol	ug/kg	ND	333	05/18/10 15:11	
4-Chloroaniline	ug/kg	ND	333	05/18/10 15:11	
4-Chlorophenylphenyl ether	ug/kg	ND	333	05/18/10 15:11	
4-Nitroaniline	ug/kg	ND	833		
4-Nitrophenol	ug/kg	ND	333	05/18/10 15:11	
Acenaphthene	ug/kg	ND	333	05/18/10 15:11	
Acenaphthylene	ug/kg	ND	333	05/18/10 15.11	
Anthracene	ug/kg	ND	333	05/18/10 15:11	
Benzo(a)anthracene	ug/kg	ND	333	05/18/10 15:11	
Benzo(a)pyrene	ug/kg	ND	333	05/18/10 15:11	
Benzo(b)fluoranthene	ug/kg	ND	333	05/18/10 15:11	
Benzo(g,h,i)perylene	ug/kg	ND	333	05/18/10 15:11	
Benzo(k)fluoranthene	ug/kg	ND	333	05/18/10 15:11	
Benzyl alcohol	ug/kg	ND	333	05/18/10 15:11	
bis(2-Chloroethoxy)methane	ug/kg	ND	333	05/18/10 15:11	
bis(2-Chloroethyl) ether	ug/kg	ND	333	05/18/10 15:11	
bis(2-Chloroisopropyl) ether	ug/kg	ND	333	05/18/10 15.11	
bis(2-Ethylhexyl)phthalate	ug/kg	ND	333	05/18/10 15:11	
Butylbenzylphthalate	ug/kg	ND	333	05/18/10 15,11	
Chrysene	ug/kg	ND	333	05/18/10 15:11	
Di-n-butylphthalate	ug/kg	ND	333	05/18/10 15:11	

Date: 05/20/2010 01:58 PM

REPORT OF LABORATORY ANALYSIS

Page 13 of 26

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CABOT-EPA 006748



QUALITY CONTROL DATA

Project:

2H/4H-13

Pace Project No ·

3027647

METHOD BLANK: 171088 Associated Lab Samples: 3027647001

%

%

Matrix: Solid

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Di-n-octylphthalate	ug/kg	ND -	333	05/18/10 15:11	
Dibenz(a,h)anthracene	ug/kg	ND	333	05/18/10 15:11	
Dibenzofuran	ug/kg	ND	333	05/18/10 15:11	
Diethylphthalate	ug/kg	ND	333	05/18/10 15:11	
Dimethylphthalate	ug/kg	ND	333	05/18/10 15:11	
Fluoranthene	ug/kg	ND	333	05/18/10 15:11	
Fluorene	ug/kg	ND	333	05/18/10 15:11	
Hexachloro-1,3-butadiene	ug/kg	ND	333	05/18/10 15:11	
Hexachlorobenzene	ug/kg	ND	333	05/18/10 15:11	
Hexachlorocyclopentadiene	ug/kg	ND	333	05/18/10 15:11	
Hexachloroethane	ug/kg	ND	333	05/18/10 15:11	
Indeno(1,2,3-cd)pyrene	ug/kg	ND	333	05/18/10 15:11	
Isophorone	ug/kg	ND	333	05/18/10 15:11	
N-Nitroso-dı-n-propylamine	ug/kg	ND	333	05/18/10 15:11	
N-Nitrosodiphenylamine	ug/kg	ND	333	05/18/10 15:11	
Naphthalene	ug/kg	ND	333	05/18/10 15:11	
Nitrobenzene	ug/kg	ND	333	05/18/10 15:11	
Pentachlorophenol	ug/kg	ND	833	05/18/10 15:11	
Phenanthrene	ug/kg	ND	333	05/18/10 15:11	
Phenol	ug/kg	ND	333	05/18/10 15:11	
Pyrene	ug/kg	ND	333	05/18/10 15:11	
2,4,6-Tribromophenol (S)	%	80	10-123	05/18/10 15:11	
2-Fluorobiphenyl (S)	%	81	43-116	05/18/10 15:11	
2-Fluorophenol (S)	%	83	21-110	05/18/10 15:11	

LABORATORY CONTROL SAMPLE:	171089					
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/kg	3330	2910	87	43-120	
1,2-Dichlorobenzene	ug/kg		ND			
1,3-Dichlorobenzene	ug/kg		ND			
1,4-Dichlorobenzene	ug/kg	3330	2610	78	37-118	
2,4,5-Trichlorophenol	ug/kg		ND			
2,4,6-Trichlorophenol	ug/kg		ND			
2,4-Dichlorophenol	ug/kg		ND			
2,4-Dimethylphenol	ug/kg		ND			
2,4-Dinitrophenol	ug/kg		ND			
2,4-Dinitrotoluene	ug/kg	3330	2750	83	34-115	
2,6-Dinitrotoluene	ug/kg		ND			
2-Chloronaphthalene	ug/kg		ND			
2-Chlorophenol	ug/kg	3330	2980	90	40-140	
2-Methylnaphthalene	ug/kg	3330	2700	81	40-140	

75

79

116

35-114 05/18/10 15:11

10-110 05/18/10 15:11

33-141 05/18/10 15:11

Date: 05/20/2010 01.58 PM

Nitrobenzene-d5 (S)

Terphenyl-d14 (S)

Phenol-d6 (S)

REPORT OF LABORATORY ANALYSIS

Page 14 of 26

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CABOT-EPA 006749



QUALITY CONTROL DATA

Project:

2H/4H-13

Pace Project No.: 3027647

ABORATORY CONTROL SAMPLE:	171089					
		Spike	LCS	LCS	% Rec	
Parameter	Units	Conc.	Result	% Rec	Limits	Qualifiers
-Methylphenol(o-Cresol)	ug/kg		ND			
2-Nitroaniline	ug/kg		ND			
2-Nitrophenol	ug/kg		ND			
&4-Methylphenol(m&p Cresol)	ug/kg		ND			
.3'-Dichlorobenzidine	ug/kg		ND			
-Nitroaniline	ug/kg		ND			
,6-Dinitro-2-methylphenol	ug/kg		ND			
-Bromophenylphenyl ether	ug/kg		ND			
-Chloro-3-methylphenol	ug/kg	3330	2900	87	42-130	
-Chloroaniline	ug/kg		ND			
-Chlorophenylphenyl ether	ug/kg		ND			
Nitroaniline	ug/kg		ND			
-Nitrophenol	ug/kg	3330	2260	68	27-125	
kcenaphthene	ug/kg	3330	2930	88	48-114	
cenaphthylene	ug/kg	3330	3080	92	40-140	
Inthracene	ug/kg	3330	3200	96	40-140	
lenzo(a)anthracene	ug/kg	3330	3200	96	40-140	
enzo(a)pyrene	ug/kg	3330	3140	94	40-140	
enzo(b)fluoranthene	ug/kg	3330	3270	98	40-140	
enzo(g,h,i)perylene	ug/kg	3330	3230	97	40-140	
enzo(k)fluoranthene	ug/kg	3330	3160	95	40-140	
enzyl alcohol	ug/kg		ND			
s(2-Chloroethoxy)methane	ug/kg		ND			
s(2-Chloroethyl) ether	ug/kg		ND			
s(2-Chloroisopropyl) ether	ug/kg		ND			
s(2-Ethylhexyl)phthalate	ug/kg		ND			
itylbenzylphthalate	ug/kg		ND			
nrysene	ug/kg	3330	3070	92	40-140	
-n-butylphthalate	ug/kg		ND	~ -		
i-n-octylphthalate	ug/kg		ND			
ibenz(a,h)anthracene	ug/kg	3330	3140	94	40-140	
bbenzofuran	ug/kg	5555	ND		.50	
Diethylphthalate	ug/kg		ND			
Dimethylphthalate	ug/kg		ND			
Fluoranthene	ug/kg	3330	3030	91	40-140	
luorene	ug/kg	3330	3090	93	40-140	
Hexachloro-1,3-butadiene	ug/kg		ND		,,,,,,	
lexachlorobenzene	ug/kg		ND			
lexachlorocyclopentadiene	ug/kg		ND			
lexachloroethane	ug/kg		ND			
ndeno(1,2,3-cd)pyrene	ug/kg	3330	3190	96	40-140	
ophorone	ug/kg		ND		.5 , .0	
I-Nitroso-di-n-propylamine	ug/kg	3330	3260	98	43-126	
I-Nitrosodiphenylamine	ug/kg		ND	20		
laphthalene	ug/kg	3330	2840	85	40-140	
litrobenzene	ug/kg	2230	ND	55		
Pentachlorophenol	ug/kg	3330	2450	73	14-127	

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REPORT OF LABORATORY ANALYSIS

Page 15 of 26

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CABOT-EPA 006750



Pace Analytical Services, Inc.

1638 Roseytown Road - Suites 2,3,4 Greensburg, PA 15601

(724)850-5600

QUALITY CONTROL DATA

Project

2H/4H-13

Pace Project No.: 3027647

LABORATORY CONTROL SAMI	PLE: 171089					
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Phenol	ug/kg	3330	2800	84	39-120	
Pyrene	ug/kg	3330	3460	104	43-135	
2,4,6-Tribromophenol (S)	%			95	10-123	
2-Fluorobiphenyl (S)	%			85	43-116	
2-Fluorophenol (S)	%			80	21-110	
Nitrobenzene-d5 (S)	%			69	35-114	
Phenol-d6 (S)	%			86	10-110	
Terphenyl-d14 (S)	%			116	33-141	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 171090					171091						
			MS	MSD							
D		027647001	Spike	Spike	MS	MSD	MS	MSD	% Rec	222	O I
Parameter	Units	Result	Conc.	Conc	Result	Result	% Rec	% Rec	Limits	RPD,	Qual
1,2,4-Trichlorobenzene	ug/kg	ND	3590	3670	3180	3380	89	92	43-120	6	
1,2-Dichlorobenzene	ug/kg	ND			ND	ND					
1,3-Dichlorobenzene	ug/kg	ND			ND	ND					
1,4-Dichlorobenzene	ug/kg	ND	3590	3670	2970	3030	83	83	37-118	2	
2,4,5-Trichlorophenol	ug/kg	ND			ND	ND					
2,4,6-Trichlorophenol	ug/kg	ND			ND	ND					
2,4-Dichlorophenol	ug/kg	ND			ND	ND					
2,4-Dimethylphenol	ug/kg	ND			ND	ND					
2,4-Dinitrophenol	ug/kg	ND			ND	ND					
2,4-Dinitrotoluene	ug/kg	ND	3590	3670	2600	3140	72	8 6	34-115	19 R1	
2,6-Dinitrotoluene	ug/kg	ND			ND	ND					
2-Chloronaphthalene	ug/kg	ND			ND	ND					
2-Chlorophenol	ug/kg	ND	3590	3670	3400	3440	95	94	40-140	1	
2-Methylnaphthalene	ug/kg	ND	3590	3670	2930	3120	82	8 5	40-140	6	
2-Methylphenol(o-Cresol)	ug/kg	ND			ND	ND					
2-Nitroaniline	ug/kg	ND			ND	ND					
2-Nitrophenol	ug/kg	ND			ND	ND					
3&4-Methylphenol(m&p	ug/kg	ND			ND	ND					
Cresol)											
3,3'-Dichlorobenzidine	u g/kg	ND			ND	ND					
3-Nitroaniline	ug/kg	ND			ND	ND					
4,6-Dinitro-2-methylphenol	ug/kg	ND			ND	ND					
4-Bromophenylphenyl ether	ug/kg	ND			ND	ND					
4-Chloro-3-methylphenol	ug/kg	ND	3590	3670	3200	3210	89	87	42-130	.3	
4-Chloroaniline	ug/kg	ND			ND	ND					
4-Chlorophenylphenyl ether	ug/kg	ND			ND	ND					
4-Nitroaniline	ug/kg	ND			ND	ND					
4-Nitrophenol	ug/kg	ND	3590	3670	2230	2200	62	60	27-125	2	
Acenaphthene	ug/kg	ND	3590	3670	3310	3360	92	92	48-114	1	
Acenaphthylene	ug/kg	ND	3590	3670	3460	3540	96	97	40-140	2	
Anthracene	ug/kg	ND	3590	3670	3570	3710	99	101	40-140	4	
Benzo(a)anthracene	ug/kg	ND	3590	3670	3490	3500	97	96	40-140	.4	
Benzo(a)pyrene	ug/kg	ND	3590	3670	3570	3690	99	101	40-140		
Benzo(b)fluoranthene	ug/kg	ND	3590	3670	3650	3790	102	103	40-140		

Date. 05/20/2010 01:58 PM

REPORT OF LABORATORY ANALYSIS

Page 16 of 26

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CABOT-EPA 006751



QUALITY CONTROL DATA

Project: 2H/4H-13
Pace Project No.: 3027647

MATRIX SPIKE & MATRIX SPI	KE DUPLICAT	ATE: 171 0 90			171091						
			MS	MSD							
		027647001	Spike	Spike	MS	MSD	MS	MSD	% Rec		
Parameter	Units	Result	Conc.	Conc.	Result	Result	% Rec	% Rec	Limits	RPD	Qua
Benzo(g,h,i)perylene	ug/kg	ND	3590	3670	3520	3300	98	90	40-140	7 -	
Benzo(k)fluoranthene	ug/kg	ND	3590	3670	3750	3900	104	106	40-140	4	
Benzyl alcohol	ug/kg	ND			ND	ND					
bis(2-Chloroethoxy)methane	ug/kg	ND			ND	ND					
ois(2-Chloroethyl) ether	ug/kg	ND			ND	ND					
ois(2-Chloroisopropyl) ether	ug/kg	ND			ND	ND					
ois(2-Ethylhexyl)phthalate	ug/kg	ND			ND	ND					
Butylbenzylphthalate	ug/kg	ND			ND	ND					
Chrysene	ug/kg	ND	3590	3670	3430	3550	96	97	40-140	3	
Di-n-butylphthalate	ug/kg	ND			ND	ND					
Di-n-octylphthalate	ug/kg	ND			ND	ND					
Dibenz(a,h)anthracene	ug/kg	ND	3590	3670	3370	3220	94	88	40-140	5	
Dibenzofuran	ug/kg	ND			ND	ND					
Diethylphthalate	ug/kg	ND			ND	ND					
Dimethylphthalate	ug/kg	ND			ND	ND					
Fluoranthene	ug/kg	ND	3590	3670	3450	3530	96	96	40-140	2	
Fluorene	ug/kg	ND	3590	3670	3510	3540	98	97	40-140	1	
Hexachloro-1,3-butadiene	ug/kg	ND			ND	ND					
Hexachlorobenzene	ug/kg	ND			ND	ND					
Hexachlorocyclopentadiene	ug/kg	ND			ND	ND					
Hexachloroethane	ug/kg	ND			ND	ND					
Indeno(1,2,3-cd)pyrene	ug/kg	ND	3590	3670	3560	3210	99	88	40-140	10	
Isophorone	ug/kg	ND			ND	ND					
N-Nitroso-di-n-propylamine	ug/kg	ND	3590	3670	3640	3740	101	102	43-126	3	
N-Nitrosodiphenylamine	ug/kg	ND			ND	ND					
Naphthalene	ug/kg	ND	3590	3670	3120	3370	87	92	40-140	8	
Nitrobenzene	ug/kg	ND			ND	ND					
Pentachlorophenol	ug/kg	ND	3590	3670	2250	2060	63	56	14-127	9	
Phenanthrene	ug/kg	ND	3590	3670	3390	3500	94	95	40-140	3	
Phenol	ug/kg	ND	3590	3670	3140	3270	87	89	39-120	4	
Pyrene	ug/kg	ND	3590	3670	3840	3910	107	107	43-135	2	
2,4,6-Tribromophenol (S)	%						93	94	10-123		
2-Fluorobiphenyl (S)	%						89	88	43-116		
2-Fluorophenol (S)	%						81	80	21-110		
Nitrobenzene-d5 (S)	%						80	79	35-114		
Phenol-d6 (S)	%						88	88	10-110	1	
Terphenyl-d14 (S)	%						118	117	33-141		

Date: 05/20/2010 01:58 PM

REPORT OF LABORATORY ANALYSIS

Page 17 of 26

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CABOT-EPA 006752



Pace Analytical Services, Inc.

1638 Roseytown Road - Suites 2,3,4 Greensburg, PA 15601

(724)850-5600

QUALITY CONTROL DATA

Project:

2H/4H-13

Pace Project No.:

3027647

QC Batch

MSV/5837

Analysis Method:

EPA 8260

QC Batch Method: EPA 8260 Analysis Description:

8260 MSV 5035 Low

Associated Lab Samples: 3027647001

METHOD BLANK: 171195

Matrix: Solid

Associated Lab Samples: 3027647001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifier	
1,1,1-Trichloroethane	ug/kg	ND	50	05/18/10 13 24		
1,1,2,2-Tetrachloroethane	ug/kg	ND	5.0	05/18/10 13.24		
1.1.2-Trichloroethane	ug/kg	ND	50	05/18/10 13.24		
1,1-Dichioroethane	ug/kg	ND	5.0	05/18/10 13 24		
1,1-Dichloroethene	ug/kg	ND	50	05/18/10 13 24		
1,2,4-Trimethylbenzene	ug/kg	ND	5.0	05/18/10 13 24		
1,2-Dichlorobenzene	ug/kg	ND	5.0	05/18/10 13 24		
1,2-Dichloroethane	ug/kg	ND	5.0	05/18/10 13:24		
1,2-Dichloropropane	ug/kg	ND	50	05/18/10 13 24		
1,3,5-Trimethylbenzene	ug/kg	ND	5.0	05/18/10 13.24		
1,3-Dichlorobenzene	ug/kg	ND	5.0	05/18/10 13:24		
1,4-Dichlorobenzene	ug/kg	ND	5.0	05/18/10 13.24		
2-Butanone (MEK)	ug/kg	ND	10.0	05/18/10 13:24		
2-Hexanone	ug/kg	ND	10.0	05/18/10 13:24		
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	10.0	05/18/10 13:24		
Acetone	ug/kg	ND	10.0			
Benzene	ug/kg	ND	5.0	05/18/10 13:24		
Bromodichloromethane	ug/kg	ND	5.0			
Bromoform	ug/kg	ND	5.0	05/18/10 13:24		
Bromomethane	ug/kg	ND	5.0	05/18/10 13:24		
Carbon disulfide	ug/kg	ND	5.0	05/18/10 13,24		
Carbon tetrachloride	ug/kg	ND	5.0	05/18/10 13:24		
Chlorobenzene	ug/kg	ND	5.0	05/18/10 13:24		
Chloroethane	ug/kg	ND	5.0	05/18/10 13.24		
Chloroform	ug/kg	ND	5.0	05/18/10 13.24		
Chloromethane	ug/kg	ND	5.0			
cis-1,2-Dichloroethene	ug/kg	ND	5.0			
cis-1,3-Dichloropropene	ug/kg	ND	5.0	05/18/10 13 24		
Dibromochloromethane	ug/kg	ND	5.0			
Ethylbenzene	ug/kg	ND	5.0			
Isopropylbenzene (Cumene)	ug/kg	ND	5.0			
m&p-Xylene	ug/kg	ND	10.0	05/18/10 13 24		
Methyl-tert-butyl ether	ug/kg	ND	5.0	05/18/10 13 24		
Methylene Chloride	ug/kg	ND	5.0	05/18/10 13 24		
n-Butylbenzene	ug/kg	ND	5.0	05/18/10 13:24		
n-Propylbenzene	ug/kg	ND	5.0	05/18/10 13:24		
Naphthalene	ug/kg	ND	5.0	05/18/10 13:24		
o-Xylene	ug/kg	ND	5.0	05/18/10 13 24		
p-Isopropyltoluene	ug/kg	ND	5.0	05/18/10 13:24		
sec-Butylbenzene	ug/kg	ND	5.0	05/18/10 13 24		
Styrene	ug/kg	ND	5.0	05/18/10 13:24		
Tetrachloroethene	ug/kg	ND	5.0	05/18/10 13:24		
Toluene	ug/kg	ND	5.0	05/18/10 13 24		

Date. 05/20/2010 01.58 PM

REPORT OF LABORATORY ANALYSIS

Page 18 of 26

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CABOT-EPA 006753



(724)850-5600

QUALITY CONTROL DATA

Project:

2H/4H-13

Pace Project No.: 3027647

METHOD BLANK: 171195

Matrix: Solid

Associated Lab Samples. 3027647001

		Blank	Reporting		
Parameter	Units	Result	Limit	Analyzed	Qualifiers
TOTAL BTEX	ug/kg	ND -	30.0	05/18/10 13:24	
trans-1,2-Dichloroethene	ug/kg	ND	5.0	05/18/10 13.24	
trans-1,3-Dichloropropene	ug/kg	ND	5.0	05/18/10 13:24	
Trichloroethene	ug/kg	ND	5.0	05/18/10 13:24	
Vinyl chloride	ug/kg	ND	5.0	05/18/10 13:24	
Xylene (Total)	ug/kg	ND	15 0	05/18/10 13:24	
1,2-Dichloroethane-d4 (S)	%	91	70-130	05/18/10 13:24	
4-Bromofluorobenzene (S)	%	96	70-130	05/18/10 13:24	
Toluene-d8 (S)	%	93	70-130	05/18/10 13 24	

2,2-Tetrachloroethane ug/kg 20 18 6 93 70-130 2-Trichloroethane ug/kg 20 19 9 100 70-130 Dichloroethane ug/kg 20 20.3 102 70-130 Dichloroethane ug/kg 20 16.1 81 70-130 Dichlorobenzene ug/kg 20 21.6 108 70-130 Dichloroethane ug/kg 20 20.3 102 70-130 Dichloroethane ug/kg 20 20.3 102 70-130 Dichloroethane ug/kg 20 19.2 96 70-130 Dichloroptane ug/kg 20 19.2 96 70-130 Dichlorobenzene ug/kg 20 20.4 102 70-130 Dichlorobenzene ug/kg 20 20.6 103 70-130 Dichlorobenzene ug/kg 20 20.6 103 70-130 Dichlorobenzene ug/kg 20 21.4 </th <th>LABORATORY CONTROL SAMPLE:</th> <th>171196</th> <th></th> <th></th> <th></th> <th></th> <th></th>	LABORATORY CONTROL SAMPLE:	171196					
1-Trichloroethane ug/kg 20 19.9 100 70-130 2.2-Tetrachloroethane ug/kg 20 18.6 93 70-130 2.2-Trichloroethane ug/kg 20 19.9 100 70-130 Dichloroethane ug/kg 20 19.9 100 70-130 Dichloroethane ug/kg 20 20.3 102 70-130 Dichloroethane ug/kg 20 16.1 81 70-130 Dichloroethane ug/kg 20 16.1 81 70-130 Dichloroethane ug/kg 20 21.6 108 70-130 Dichloroethane ug/kg 20 21.6 108 70-130 Dichloroethane ug/kg 20 20.3 102 70-130 Dichloroethane ug/kg 20 20.3 102 70-130 Dichloroethane ug/kg 20 19.3 96 70-130 Dichloroethane ug/kg 20 19.2 96 70-130 Dichloropane ug/kg 20 20.4 102 70-130 Dichlorobenzene ug/kg 20 20.4 102 70-130 Dichlorobenzene ug/kg 20 20.6 103 70-130 Dichlorobenzene ug/kg 20 20.6 103 70-130 Dichlorobenzene ug/kg 20 20.9 105 70-130 Ustanone (MEK) ug/kg 20 21.4 107 70-130 Eaxnone (MEK) ug/kg 20 21.4 107 70-130 Eaxnone ug/kg 20 19.2 96 70-130 L0 tone ug/kg 20 21.2 106 70-130 modichloromethane ug/kg 20 20.8 18.8 94 70-130 momethane ug/kg 20 20.8 104 70-130 momethane ug/kg 20 20.8 104 70-130 momethane ug/kg 20 20.8 104 70-130 momethane ug/kg 20 20.8 104 70-130 momethane ug/kg 20 20.8 104 70-130 momethane ug/kg 20 20.9 104 70-130 momethane ug/kg 20 20.9 104 70-130 momethane ug/kg 20 20.9 104 70-130 momethane ug/kg 20 20.9 104 70-130 momethane ug/kg 20 20.9 104 70-130 momethane ug/kg 20 20.9 104 70-130 momethane ug/kg 20 20.9 104 70-130 momethane ug/kg 20 20.9 104 70-130 momethane ug/kg 20 20.9 104 70-130 momethane ug/kg 20 20.9 104 70-130 momethane ug/kg 20 20.9 104 70-130 momethane ug/kg 20 20.9 104 70-130 momethane ug/kg 20 20.9 104 70-130 momethane ug/kg 20 20.9 104 70-130 momethane ug/kg 20 20.9 104 70-130 momethane ug/kg 20 20.9 104 70-130 momethane ug/kg 20 20.9 104 70-130 momethane ug/kg 20 20.9 104 70-130 momethane ug/kg 20 20.2 101 70-130 momethane ug/kg 20 20.9 104 70-130 momethane ug/kg 20 20.9 104 70-130 momethane ug/kg 20 20.9 105 70-130 100 mo			Spike	LCS	LCS	% Rec	
2,2-Tetrachloroethane ug/kg 20 18 6 93 70-130 2-Trichloroethane ug/kg 20 19 9 100 70-130 Dichloroethane ug/kg 20 20.3 102 70-130 Dichloroethane ug/kg 20 16.1 81 70-130 Dichlorobenzene ug/kg 20 21.6 108 70-130 Dichloroethane ug/kg 20 20.3 102 70-130 Dichloroethane ug/kg 20 20.3 102 70-130 Dichloroethane ug/kg 20 19.2 96 70-130 Dichloroptane ug/kg 20 19.2 96 70-130 Dichlorobenzene ug/kg 20 20.4 102 70-130 Dichlorobenzene ug/kg 20 20.6 103 70-130 Dichlorobenzene ug/kg 20 20.6 103 70-130 Dichlorobenzene ug/kg 20 21.4 </td <td>Parameter</td> <td>Units</td> <td>Conc.</td> <td>Result</td> <td>% Rec</td> <td>Limits</td> <td>Qualifiers</td>	Parameter	Units	Conc.	Result	% Rec	Limits	Qualifiers
2-Trichloroethane ug/kg 20 19 9 100 70-130 Dichloroethane ug/kg 20 20.3 102 70-130 Dichloroethane ug/kg 20 20.3 102 70-130 Dichloroethene ug/kg 20 16.1 81 70-130 4-Trimethylbenzene ug/kg 20 21.6 108 70-130 Dichloroethane ug/kg 20 20.3 102 70-130 Dichloroethane ug/kg 20 19.3 96 70-130 Dichloroethane ug/kg 20 19.2 96 70-130 Dichloropropane ug/kg 20 19.2 96 70-130 Dichlorobenzene ug/kg 20 20.4 102 70-130 Dichlorobenzene ug/kg 20 20.6 103 70-130 Dichlorobenzene ug/kg 20 20.9 105 70-130 Dichlorobenzene ug/kg 20 20.9 105 70-130 Dichlorobenzene ug/kg 20 21.4 107 70-130 Lethyl-2-pentanone (MIBK) ug/kg 20 19.2 96 70-130 Lethyl-2-pentanone (MIBK) ug/kg 20 21.4 107 70-130 Lethyl-2-pentanone (MIBK) ug/kg 20 19.2 96 70-130 Lethyl-2-pentanone ug/kg 20 19.2 96 70-130 Lethyl-2-pentanone ug/kg 20 21.2 106 70-130 Lethoromore ug/kg 20 21.2 106 70-130 Lethoromore ug/kg 20 21.2 106 70-130 Lethoromorethane ug/kg 20 17.5 88 70-130 Lethoromorethane ug/kg 20 20.8 104 70-130 Lethon disulfide ug/kg 20 20.8 104 70-130 Lethon disulfide ug/kg 20 20.8 104 70-130 Lethon disulfide ug/kg 20 20.9 104 70-130 Lethon disulfide ug/kg 20 20.9 104 70-130 Lethon disulfide ug/kg 20 20.9 104 70-130 Lethon disulfide ug/kg 20 20.9 104 70-130 Lethon disulfide ug/kg 20 20.9 104 70-130 Lethon disulfide ug/kg 20 20.9 104 70-130 Lethon disulfide ug/kg 20 20.9 104 70-130 Lethon disulfide ug/kg 20 20.9 104 70-130 Lethon disulfide ug/kg 20 20.9 104 70-130 Lethon disulfide ug/kg 20 20.9 104 70-130 Lethon disulfide ug/kg 20 20.9 104 70-130 Lethon disulfide ug/kg 20 20.9 104 70-130 Lethon disulfide ug/kg 20 20.9 104 70-130 Lethon disulfide ug/kg 20 20.9 104 70-130 Lethon disulfide ug/kg 20 20.9 104 70-130 Lethon disulfide ug/kg 20 20.9 104 70-130 Lethonomorethane ug/kg 20 18.8 94 70-130 Lethonomorethane ug/kg 20 18.8 94 70-130 Lethonomorethane ug/kg 20 18.8 94 70-130 Lethonomorethane ug/kg 20 18.8 94 70-130 Lethonomorethane ug/kg 20 18.8 94 70-130 Lethonomorethane ug/kg 20 18.8 94 70-130 Lethonomorethane ug/kg 20 20.10 105 70-130	1,1,1-Trichloroethane	ug/kg	20	19.9	100	70-130	
Dichloroethane ug/kg 20 20.3 102 70-130 Dichloroethene ug/kg 20 16.1 81 70-130 4-Trimethylbenzene ug/kg 20 21.6 108 70-130 Dichlorobenzene ug/kg 20 20.3 102 70-130 Dichlorobethane ug/kg 20 19.3 96 70-130 Dichloropropane ug/kg 20 19.2 96 70-130 Dichlorobenzene ug/kg 20 20.4 102 70-130 Dichlorobenzene ug/kg 20 20.4 102 70-130 Dichlorobenzene ug/kg 20 20.9 105 70-130 Dichlorobenzene ug/kg 20 20.9 105 70-130 utanone (MEK) ug/kg 20 21.4 107 70-130 utanone (MIBK) ug/kg 20 18.6 93 70-130 utanone (MIBK) ug/kg 20 26.8	1,1,2,2-Tetrachloroethane	ug/kg	20 .	18 6	93	70-130	
Dichloroethene	1,1,2-Trichloroethane	ug/kg	20	19 9	100	70-130	
4-Trimethylbenzene ug/kg 20 21.6 108 70-130 Dichlorobenzene ug/kg 20 19.3 102 70-130 Dichlorobenzene ug/kg 20 19.3 96 70-130 Dichloropropane ug/kg 20 19.2 96 70-130 Dichlorobenzene ug/kg 20 19.2 96 70-130 Dichlorobenzene ug/kg 20 20.4 102 70-130 Dichlorobenzene ug/kg 20 20.6 103 70-130 Dichlorobenzene ug/kg 20 20.9 105 70-130 Dichlorobenzene ug/kg 20 20.9 105 70-130 Utanone (MEK) ug/kg 20 21.4 107 70-130 Utanone (MEK) ug/kg 20 18.6 93 70-130 Dichlorobenzene ug/kg 20 18.6 93 70-130 Utanone (MIBK) ug/kg 20 18.6 93 70-130 Utanone ug/kg 20 18.8 94 70-130 Utanone ug/kg 20 21.2 106 70-130 Utanone ug/kg 20 18.8 94 70-130 Utanone ug/kg 20 17.5 88 70-130 Utanone ug/kg 20 17.5 88 70-130 Utanone ug/kg 20 20.8 104 70-130 Utanone ug/kg 20 20.8 104 70-130 Utanone ug/kg 20 20.8 104 70-130 Utanone ug/kg 20 20.8 104 70-130 Utanone ug/kg 20 20.8 104 70-130 Utanone ug/kg 20 20.9 10.9 99 70-130 Utanone ug/kg 20 20.9 10.9 99 70-130 Utanone ug/kg 20 20.9 104 70-130 Utanone ug/kg 20 20.9 104 70-130 Utanone ug/kg 20 20.9 104 70-130 Utanone ug/kg 20 20.9 104 70-130 Utanone ug/kg 20 20.9 104 70-130 Utanone ug/kg 20 20.9 104 70-130 Utanone ug/kg 20 20.9 104 70-130 Utanone ug/kg 20 20.9 104 70-130 Utanone ug/kg 20 20.9 104 70-130 Utanone ug/kg 20 20.9 104 70-130 Utanone ug/kg 20 20.9 104 70-130 Utanone ug/kg 20 20.9 104 70-130 Utanone ug/kg 20 20.9 104 70-130 Utanone ug/kg 20 11.6 58 70-130 Utanone ug/kg 20 18.8 94 70-130 Utanone ug/kg 20 18.8 94 70-130 Utanone ug/kg 20 18.8 94 70-130 Utanone ug/kg 20 21.1 111 70-130 Utanone ug/kg 20 21.1 111 70-130 Utanone ug/kg 20 21.1 111 70-130 Utanone ug/kg 20 21.0 105 70-130	1,1-Dichloroethane	ug/kg	20	20.3	102	70-130	
Dichlorobenzene Ug/kg 20 20.3 102 70-130 Dichlorobenzene Ug/kg 20 19.3 96 70-130 Dichloropropane Ug/kg 20 19.2 96 70-130 Dichloropropane Ug/kg 20 20.4 102 70-130 Dichlorobenzene Ug/kg 20 20.6 103 70-130 Dichlorobenzene Ug/kg 20 20.6 103 70-130 Dichlorobenzene Ug/kg 20 20.9 105 70-130 Dichlorobenzene Ug/kg 20 21.4 107 70-130 Dichlorobenzene Ug/kg 20 21.4 107 70-130 Dichlorobenzene Ug/kg 20 18.6 93 70-130 Dichlorobenzene Ug/kg 20 18.6 93 70-130 Dichlorobenzene Ug/kg 20 19.2 96 70-130 Dichlorobenzene Ug/kg 20 26.8 134 70-130 Dichlorobenzene Ug/kg 20 21.2 106 70-130 Dichlorobenzene Ug/kg 20 21.2 106 70-130 Dichlorobenzene Ug/kg 20 17.5 88 70-130 Dichloromethane Ug/kg 20 17.5 88 70-130 Dichlorobenzene Ug/kg 20 20.8 104 70-130 Dichlorobenzene Ug/kg 20 20.8 104 70-130 Dichlorobenzene Ug/kg 20 20.8 104 70-130 Dichlorobenzene Ug/kg 20 21.4 107 70-130 Dichlorobenzene Ug/kg 20 21.4 107 70-130 Dichlorobenzene Ug/kg 20 20.9 104 70-130 Dichlorobenzene Ug/kg 20 20.2 101 70-130 Dichlorobenzene Ug/kg 20 11.6 58 70-130 Dichloropropene Ug/kg 20 18.8 94 70-130 Dichloropropene Ug/kg 20 22.1 111 70-130 Dichloropropene Ug/kg 20 21.0 105 70-130 Dichloropropene Ug/kg 20 21.0 105	1,1-Dichloroethene	ug/kg	20	16.1	81	70-130	
Dichloroethane Ug/kg 20 19.3 96 70-130 Dichloropropane Ug/kg 20 19.2 96 70-130 Dichloropropane Ug/kg 20 20.4 102 70-130 Dichlorobenzene Ug/kg 20 20.6 103 70-130 Dichlorobenzene Ug/kg 20 20.9 105 70-130 Dichlorobenzene Ug/kg 20 21.4 107 70-130 Udanone (MEK) Ug/kg 20 21.4 107 70-130 exanone Ug/kg 20 18.6 93 70-130 ethyl-2-pentanone (MIBK) Ug/kg 20 19.2 96 70-130 ethole Ug/kg 20 21.2 106 70-130 etone Ug/kg 20 21.2 106 70-130 exanone Ug/kg 20 21.2 106 70-130 exone Ug/kg 20 21.2 106 70-130 exone Ug/kg 20 17.5 88 70-130 modichloromethane Ug/kg 20 17.5 88 70-130 momothane Ug/kg 20 20.8 104 70-130 momothane Ug/kg 20 20.8 104 70-130 bon tetrachloride Ug/kg 20 26.3 131 70-130 bon tetrachloride Ug/kg 20 21.4 107 70-130 orobenzene Ug/kg 20 21.4 107 70-130 orobenzene Ug/kg 20 20.9 104 70-130 oroform Ug/kg 20 20.9 104 70-130 oroform Ug/kg 20 20.9 104 70-130 oroform Ug/kg 20 20.2 101 70-130 oroform Ug/kg 20 20.9 104 70-130 oroform Ug/kg 20 11.6 58 70-130 oroform Ug/kg 20 18.8 94 70-130 oromothloromethane Ug/kg 20 22.1 111 70-130 oropolibenzene Ug/kg 20 22.1 111 70-130 oropolibenzene Ug/kg 20 22.1 111 70-130 oropolibenzene Ug/kg 20 22.1 111 70-130 oromothloromethane Ug/kg 20 21.0 105 70-130	1,2,4-Trimethylbenzene	ug/kg	20	21.6	108	70-130	
Dichloropropane Ug/kg 20 19.2 96 70-130 5-Trimethylbenzene Ug/kg 20 20.4 102 70-130 Dichlorobenzene Ug/kg 20 20.6 103 70-130 Dichlorobenzene Ug/kg 20 20.9 105 70-130 Dichlorobenzene Ug/kg 20 21.4 107 70-130 Utanone (MEK) Ug/kg 20 18.6 93 70-130 Utanone (MEK) Ug/kg 20 18.6 93 70-130 Utanone (MIBK) Ug/kg 20 19.2 96 70-130 Utanone Ug/kg 20 21.2 106 70-130 Utanone Ug/kg 20 21.2 106 70-130 Utanone Ug/kg 20 21.2 106 70-130 Utanone Ug/kg 20 18.8 94 70-130 Utanone Ug/kg 20 17.5 88 70-130 Utanone Ug/kg 20 20.8 104 70-130 Utanone Ug/kg 20 21.4 107 70-130 Utanone Ug/kg 20 21.4 107 70-130 Utanone Ug/kg 20 20.9 104 70-130 Utanone Ug/kg 20 20.9	1,2-Dichlorobenzene	ug/kg	20	20.3	102	70-130	
5-Trimethylbenzene ug/kg 20 20.4 102 70-130 Dichlorobenzene ug/kg 20 20.6 103 70-130 Dichlorobenzene ug/kg 20 20.9 105 70-130 Utanone (MEK) ug/kg 20 21.4 107 70-130 exanone ug/kg 20 18.6 93 70-130 lethyl-2-pentanone (MIBK) ug/kg 20 19.2 96 70-130 lethyl-2-pentanone (MIBK) ug/kg 20 19.2 96 70-130 exanone ug/kg 20 26.8 134 70-130 lethyl-2-pentanone ug/kg 20 21.2 106 70-130 modichloromethane ug/kg 20 18.8 94 70-130 modichloromethane ug/kg 20 17.5 88 70-130 momethane ug/kg 20 20.8 104 70-130 momethane ug/kg 20 20.8 104 70-130 momethane ug/kg 20 20.8 104 70-130 momethane ug/kg 20 20.8 104 70-130 momethane ug/kg 20 20.8 104 70-130 bon disulfide ug/kg 20 19.9 99 70-130 bon disulfide ug/kg 20 21.4 107 70-130 bon detrachloride ug/kg 20 21.4 107 70-130 corobenzene ug/kg 20 20.9 104 70-130 corobenzene ug/kg 20 20.2 101 70-130 coroethane ug/kg 20 11.6 58 70-130 coroethane ug/kg 20 19.8 99 70-130 coroethane ug/kg 20 19.8 99 70-130 coroethane ug/kg 20 19.8 99 70-130 coroethane ug/kg 20 19.8 99 70-130 coromethane ug/kg 20 19.8 99 70-130 coromethane ug/kg 20 18.8 94 70-130 coromochloromethane ug/kg 20 18.8 94 70-130 coromochloromethane ug/kg 20 18.8 94 70-130 propylbenzene (Cumene) ug/kg 20 22.1 111 70-130 propylbenzene (Cumene) ug/kg 20 22.1 111 70-130 propylbenzene ug/kg 20 22.1 111 70-130 propylbenzene (Cumene) ug/kg 20 22.1 111 70-130	1,2-Dichloroethane	ug/kg	20	19.3	96	70-130	
Dichlorobenzene Ug/kg 20 20.6 103 70-130 105 70-130 105 105 70-130 105	1,2-Dichloropropane	ug/kg	20	19.2	96	70-130	
Dichlorobenzene Ug/kg 20 20.9 105 70-130 20.0 20.9 20.9 20.0 20.9 20.0 20.	1,3,5-Trimethylbenzene	ug/kg	20	20.4	102	70-130	
utanone (MEK) ug/kg 20 21.4 107 70-130 exanone ug/kg 20 18.6 93 70-130 lethyl-2-pentanone (MIBK) ug/kg 20 19.2 96 70-130 etone ug/kg 20 26.8 134 70-130 L0 etone ug/kg 20 21.2 106 70-130 modichloromethane ug/kg 20 18.8 94 70-130 moform ug/kg 20 17.5 88 70-130 momethane ug/kg 20 20.8 104 70-130 mondisulfide ug/kg 20 26.3 131 70-130 bon tetrachloride ug/kg 20 19.9 99 70-130 orobenzene ug/kg 20 19.9 99 70-130 orotethane ug/kg 20 21.4 107 70-130 orotethane ug/kg 20 20.9 104 70-130	1,3-Dichlorobenzene	ug/kg	20	20.6	103	70-130	
exanone ug/kg 20 18.6 93 70-130 lethyl-2-pentanone (MIBK) ug/kg 20 19.2 96 70-130 lethyl-2-pentanone (MIBK) ug/kg 20 26.8 134 70-130 lotone ug/kg 20 21.2 106 70-130 lotone ug/kg 20 21.2 106 70-130 lotonemotic ug/kg 20 18.8 94 70-130 lotonemotic ug/kg 20 17.5 88 70-130 lotonemotic ug/kg 20 20.8 104 70-130 loton disulfide ug/kg 20 20.8 104 70-130 loton tetrachloride ug/kg 20 19.9 99 70-130 loton tetrachloride ug/kg 20 19.9 99 70-130 lotonethane ug/kg 20 21.4 107 70-130 lotonethane ug/kg 20 20.9 104 70-130 lotonethane ug/kg 20 20.9 104 70-130 lotonethane ug/kg 20 20.9 104 70-130 lotonethane ug/kg 20 20.2 101 70-130 lotonethane ug/kg 20 20.2 101 70-130 lotonethane ug/kg 20 11.6 58 70-130 lotonethane ug/kg 20 19.8 99 70-130 lotonethane ug/kg 20 19.8 99 70-130 lotonethane ug/kg 20 18.8 94 70-130 lotonethane ug/kg 20 18.8 94 70-130 lotonethane ug/kg 20 18.8 94 70-130 lotonethane ug/kg 20 18.8 94 70-130 lotonethane ug/kg 20 22.1 111 70-130 lotonethane ug/kg 20 22.1 111 70-130 lotonethane ug/kg 20 22.1 111 70-130 lotonethane ug/kg 20 22.1 111 70-130 lotonethane ug/kg 20 22.1 111 70-130 lotonethane ug/kg 20 22.1 111 70-130 lotonethane ug/kg 20 22.1 111 70-130 lotonethane ug/kg 20 21.0 105 70-130 lotonethane ug/kg 20 21.0 1	1,4-Dichlorobenzene	ug/kg	20	20.9	105	70-130	
Sethyl-2-pentanone (MIBK)	2-Butanone (MEK)	ug/kg	20	21.4	107	70-130	
tetone ug/kg 20 26.8 134 70-130 L0 rezene ug/kg 20 21.2 106 70-130 modichloromethane ug/kg 20 18.8 94 70-130 modichloromethane ug/kg 20 17.5 88 70-130 momethane ug/kg 20 20.8 104 70-130 momethane ug/kg 20 20.8 104 70-130 momethane ug/kg 20 26.3 131 70-130 L0 rezentable ug/kg 20 26.3 131 70-130 L0 rezentable ug/kg 20 19.9 99 70-130 rezentane ug/kg 20 21.4 107 70-130 rezentane ug/kg 20 20.9 104 70-130 rezentane ug/kg 20 20.9 104 70-130 rezentane ug/kg 20 20.9 104 70-130 rezentane ug/kg 20 20.2 101 70-130 rezentane ug/kg 20 11.6 58 70-130 L0 rezentane ug/kg 20 11.6 58 70-130 L0 rezentane ug/kg 20 19.8 99 70-130 rezentane ug/kg 20 18.8 94 70-130 rezentane ug/kg 20 18.8 94 70-130 rezentane ug/kg 20 18.8 94 70-130 rezentane ug/kg 20 18.8 94 70-130 rezentane ug/kg 20 22.1 111 70-130 rezentane ug/kg 20 22.1 111 70-130 rezentane ug/kg 20 22.1 111 70-130 rezentane ug/kg 20 22.1 111 70-130 rezentationer ug/kg 20 21.0 105 70-130 rezentationer ug/kg 20	2-Hexanone	ug/kg	20	18 6	93	70-130	
nzene ug/kg 20 21.2 106 70-130 modichloromethane ug/kg 20 18.8 94 70-130 moform ug/kg 20 17.5 88 70-130 momethane ug/kg 20 20.8 104 70-130 bon disulfide ug/kg 20 26.3 131 70-130 L0 bon tetrachloride ug/kg 20 19.9 99 70-130 D0	4-Methyl-2-pentanone (MIBK)	ug/kg	20	19.2	96	70-130	
modichloromethane ug/kg 20 18.8 94 70-130 moform ug/kg 20 17.5 88 70-130 momethane ug/kg 20 20.8 104 70-130 bon disulfide ug/kg 20 26.3 131 70-130 L0 bon tetrachloride ug/kg 20 19.9 99 70-130 L0 borobenzene ug/kg 20 21.4 107 70-130 corolethane oroethane ug/kg 20 20.9 104 70-130 corolethane corolethane oromethane ug/kg 20 20.2 101 70-130 corolethane corolethane corolethane corolethane ug/kg 20 11.6 58 70-130 L0 1,2-Dichloroethene ug/kg 20 19.8 99 70-130 corolethane c	Acetone	ug/kg	20	26.8	134	70-130	LO
moform ug/kg 20 17.5 88 70-130 momethane ug/kg 20 20.8 104 70-130 bon disulfide ug/kg 20 26.3 131 70-130 L0 bon tetrachloride ug/kg 20 19.9 99 70-130 orobenzene ug/kg 20 21.4 107 70-130 oroethane ug/kg 20 20.9 104 70-130 oroform ug/kg 20 20.2 101 70-130 oromethane ug/kg 20 11.6 58 70-130 L0 1,2-Dichloroethene ug/kg 20 11.6 58 70-130 L0 1,3-Dichloropropene ug/kg 20 18.8 94 70-130 romochloromethane ug/kg 20 18.8 94 70-130 ylbenzene ug/kg 20 22.1 111 70-130 propylbenzene (Cumene) ug/kg 20 21.0 105 <td>Benzene</td> <td>ug/kg</td> <td>20</td> <td>21.2</td> <td>106</td> <td>70-130</td> <td></td>	Benzene	ug/kg	20	21.2	106	70-130	
Total	Bromodichloromethane	u g/kg	20	18.8	94	70-130	
bon disulfide ug/kg 20 26.3 131 70-130 L0 bon tetrachloride ug/kg 20 19.9 99 70-130 corobenzene ug/kg 20 21.4 107 70-130 corobenzene ug/kg 20 20.9 104 70-130 coroform ug/kg 20 20.2 101 70-130 coromethane ug/kg 20 20.2 101 70-130 coromethane ug/kg 20 11.6 58 70-130 L0 1,2-Dichloroethene ug/kg 20 19.8 99 70-130 1,3-Dichloropropene ug/kg 20 18.8 94 70-130 coromethane ug/kg 20 22.1 111 70-130 coromochloromethane ug/kg 20 22.1 111 70-130 coropylbenzene (Cumene) ug/kg 20 21.0 105 70-130 coropylbenzene (Cumene)	Bromoform	u g/kg	20	17.5	88	70-130	
bon tetrachloride ug/kg 20 19.9 99 70-130 orobenzene ug/kg 20 21.4 107 70-130 orobenzene ug/kg 20 20.9 104 70-130 orobenzene ug/kg 20 20.9 104 70-130 oromethane ug/kg 20 20.2 101 70-130 oromethane ug/kg 20 11.6 58 70-130 L0 1,2-Dichloroethene ug/kg 20 19.8 99 70-130 1,3-Dichloropropene ug/kg 20 18.8 94 70-130 oromethane ug/kg 20 22.1 111 70-130 oromethane ug/kg 20 22.1 111 70-130 oromethane ug/kg 20 21.0 105 70-130 oromethane	Bromomethane	ug/kg	20	20.8	104	70-130	
orobenzene ug/kg 20 21.4 107 70-130 oroethane ug/kg 20 20.9 104 70-130 oroform ug/kg 20 20.2 101 70-130 oromethane ug/kg 20 11.6 58 70-130 L0 1,2-Dichloroethene ug/kg 20 19.8 99 70-130 1,3-Dichloropropene ug/kg 20 18.8 94 70-130 romochloromethane ug/kg 20 18.8 94 70-130 ylbenzene ug/kg 20 22.1 111 70-130 propylbenzene (Cumene) ug/kg 20 21.0 105 70-130	Carbon disulfide	ug/kg	20	26.3	131	70-130	L0
oroethane ug/kg 20 20.9 104 70-130 oroform ug/kg 20 20.2 101 70-130 oromethane ug/kg 20 11.6 58 70-130 L0 1,2-Dichloroethene ug/kg 20 19.8 99 70-130 1,3-Dichloropropene ug/kg 20 18.8 94 70-130 romochloromethane ug/kg 20 18.8 94 70-130 ylbenzene ug/kg 20 22.1 111 70-130 propylbenzene (Cumene) ug/kg 20 21.0 105 70-130	Carbon tetrachloride	ug/kg	20	19.9	99	70-130	
oroform ug/kg 20 20.2 101 70-130 oromethane ug/kg 20 11.6 58 70-130 L0 1,2-Dichloroethene ug/kg 20 19.8 99 70-130 1,3-Dichloropropene ug/kg 20 18.8 94 70-130 romochloromethane ug/kg 20 18.8 94 70-130 ylbenzene ug/kg 20 22.1 111 70-130 propylbenzene (Cumene) ug/kg 20 21.0 105 70-130	Chlorobenzene	ug/kg	20	21.4	107	70-130	
oromethane ug/kg 20 11.6 58 70-130 L0 1,2-Dichloroethene ug/kg 20 19.8 99 70-130 1,3-Dichloropropene ug/kg 20 18.8 94 70-130 romochloromethane ug/kg 20 18.8 94 70-130 ylbenzene ug/kg 20 22.1 111 70-130 propylbenzene (Cumene) ug/kg 20 21.0 105 70-130	Chloroethane	ug/kg	20	20.9	104	70-130	
1,2-Dichloroethene ug/kg 20 19.8 99 70-130 1,3-Dichloropropene ug/kg 20 18.8 94 70-130 romochloromethane ug/kg 20 18.8 94 70-130 ylbenzene ug/kg 20 22.1 111 70-130 propylbenzene (Cumene) ug/kg 20 21.0 105 70-130	Chloroform	ug/kg	20	20.2	101	70-130	
1,3-Dichloropropene ug/kg 20 18.8 94 70-130 romochloromethane ug/kg 20 18.8 94 70-130 ylbenzene ug/kg 20 22.1 111 70-130 propylbenzene (Cumene) ug/kg 20 21.0 105 70-130	Chloromethane	ug/kg	20	11.6	58	70-130	L0
romochloromethane ug/kg 20 18.8 94 70-130 ylbenzene ug/kg 20 22.1 111 70-130 propylbenzene (Cumene) ug/kg 20 21.0 105 70-130	cis-1,2-Dichloroethene	u g/kg	20	19.8	99	70-130	
ylbenzene ug/kg 20 22.1 111 70-130 propylbenzene (Cumene) ug/kg 20 21.0 105 70-130	cis-1,3-Dichloropropene	ug/kg	20	18.8	94	70-130	
propylbenzene (Cumene) ug/kg 20 21.0 105 70-130	Dibromochloromethane	ug/kg	20	18.8	94	70-130	
	Ethylbenzene	ug/kg	20	22.1	111	70-130	
p-Xylene ug/kg 40 45.1 113 70-130	Isopropylbenzene (Cumene)	ug/kg	20	21.0	105	70-130	
	m&p-Xylene	ug/kg	40	45.1	113	70-130	

Date: 05/20/2010 01:58 PM

REPORT OF LABORATORY ANALYSIS

Page 19 of 26

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CABOT-EPA 006754



QUALITY CONTROL DATA

Project:

2H/4H-13

Pace Project No.: 3027647

LABORATORY CONTROL SAMPLE:	171196					
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
lethyl-tert-butyl ether	ug/kg		20.9	104	70-130	
Methylene Chloride	ug/kg	20	19.7	98	70-130	
n-Butylbenzene	ug/kg	20	20.7	104	70-130	
-Propylbenzene	ug/kg	20	20.9	105	70-130	
laphthalene	ug/kg	20	20 4	102	70-130	
-Xylene	ug/kg	20	21.4	107	70-130	
-Isopropyltoluene	ug/kg	20	20.9	104	70-130	
ec-Butylbenzene	ug/kg	20	20.7	103	70-130	
tyrene	ug/kg	20	20.2	101	70-130	
etrachloroethene	ug/kg	20	21.0	105	70-130	
oluene	ug/kg	20	21.1	105	70-130	
OTAL BTEX	ug/kg		131			
ans-1,2-Dichloroethene	ug/kg	20	19.4	97	70-130	
ans-1,3-Dichloropropene	ug/kg	20	18.7	93	70-130	
richloroethene	ug/kg	20	21.0	105	70-130	
finyl chloride	ug/kg	20	16.7	83	70-130	
ylene (Total)	ug/kg	60	66.5	111	70-130	
2-Dichloroethane-d4 (S)	%			89	70-130	
-Bromofluorobenzene (S)	%			97	70-130	
「oluene-d8 (S)	%			95	70-130	

Date. 05/20/2010 01.58 PM

REPORT OF LABORATORY ANALYSIS

Page 20 of 26

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CABOT-EPA 006755



QUALITY CONTROL DATA

Project¹ Pace Project No.: 2H/4H-13

3027647

QC Batch

PMST/1850

Analysis Method:

ASTM D2974-87

QC Batch Method:

Parameter

Parameter

ASTM D2974-87 Associated Lab Samples: 3027647001 Analysis Description:

Dry Weight/Percent Moisture

SAMPLE DUPLICATE: 170460

3027432001 Result

Dup Result

Qualifiers

Percent Moisture

%

%

Units

Units

11.6

RPD

SAMPLE DUPLICATE: 170461

3027432002 Result

Dup Result

RPD

Qualifiers

Percent Moisture

11.4

11.2 2

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REPORT OF LABORATORY ANALYSIS

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CABOT-EPA 006756

Page 21 of 26



QUALITY CONTROL DATA

Project: 2H/4H-13
Pace Project No.. 3027647

QC Batch: WET/5627 Analysis Method: SM 5540C

QC Batch Method: SM 5540C Analysis Description: 5540C MBAS Surfactants

Associated Lab Samples: 3027647002

METHOD BLANK: 171547 Matrix: Water

Associated Lab Samples: 3027647002

ParameterUnitsBlank Reporting ResultReporting LimitAnalyzedQualifiersSurfactantsmg/LND0.1005/19/10 11:30

METHOD BLANK: 171548 Matrix: Water

Associated Lab Samples: 3027647002

Blank Reporting
Parameter Units Result Limit Analyzed Qualifiers

Surfactants mg/L ND 0.10 05/19/10 11:30

LABORATORY CONTROL SAMPLE: 171549

Spike LCS LCS % Rec Limits Qualifiers Parameter Units Conc. Result % Rec Surfactants 0.93 93 85-115 SU mg/L

MATRIX SPIKE SAMPLE. 171826

171826 MS 3027861001 Spike MS % Rec Parameter Units % Rec Limits Qualifiers Result Conc. Result Surfactants mg/L ND 1.1 102 85-115

SAMPLE DUPLICATE: 171825

ParameterUnits3027647002 ResultDup ResultRPDQualifiersSurfactantsmg/LNDND2c

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REPORT OF LABORATORY ANALYSIS

Page 22 of 26

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CABOT-EPA 006757



QUALITY CONTROL DATA

Project:

2H/4H-13

Pace Project No.:

3027647

QC Batch:

WETA/4255

Analysis Method.

EPA 350.1

QC Batch Method:

EPA 350.1

Analysis Description:

350.1 Ammonia

METHOD BLANK: 171828

Associated Lab Samples: 3027647001

Parameter

Parameter

Parameter

Matrix: Solid

Associated Lab Samples

3027647001

Blank

Reporting Lımit

Analyzed

Qualifiers

Nitrogen, Ammonia

mg/kg

Units

Result ND

4.9 05/19/10 11:54

LABORATORY CONTROL SAMPLE:

171829

Spike

LCS Result

LCS % Rec

94

166

% Rec

Nitrogen, Ammonia

Nitrogen, Ammonia

Nitrogen, Ammonia

Units

Conc. 160

151

163

Limits 85-115 Qualifiers

MATRIX SPIKE SAMPLE

171831

mg/kg

mg/kg

Units

Units

mg/kg

3027647001 Result

Spike Conc.

MS Result

MS % Rec % Rec Limits

85-115

Qualifiers

SAMPLE DUPLICATE. 171830

Parameter

3027647001 Result

21.8

21.8

Dup Result

12.7

Qualifiers

53 R1

88

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Page 23 of 26

CABOT-EPA 006758



QUALITY CONTROL DATA

Project 2H/4H-13 Pace Project No . 3027647 QC Batch: WETA/4259 Analysis Method SM 4500-CI-E QC Batch Method: SM 4500-CI-E Analysis Description. 4500 Chloride Associated Lab Samples: 3027647002 METHOD BLANK: 171962 Matrix: Water Associated Lab Samples: 3027647002 Blank Reporting Parameter Units Result Analyzed Qualifiers 3.0 05/19/10 13 49 Chloride mg/L ND METHOD BLANK: 172015 Matrix: Water Associated Lab Samples: 3027647002 Blank Reporting Parameter Units Result Limit Analyzed Qualifiers Chloride mg/L ND 3.0 05/19/10 00 00 1c METHOD BLANK: 172016 Matrix: Water Associated Lab Samples: 3027647002 Blank Reporting Units Qualifiers Parameter Result Limit Analyzed 3 0 05/19/10 00:00 Chloride ND mg/L 1c LABORATORY CONTROL SAMPLE: 171963 Spike LCS LCS % Rec Qualifiers Parameter Units Conc. Result % Rec Limits Chloride 39.9 100 85-115 mg/L 40 MATRIX SPIKE SAMPLE: 171964 3027647002 MS MS % Rec Spike Parameter Units Result Conc. Result % Rec Limits Qualifiers Chloride mg/L ND 20 183 83 85-115 M1 SAMPLE DUPLICATE: 171965 3027647002 Dup Parameter Units Result Result RPD Qualifiers ND 2.1J Chloride mg/L

Date⁻ 05/20/2010 01.58 PM

REPORT OF LABORATORY ANALYSIS

Page 24 of 26

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CABOT-EPA 006759



QUALIFIERS

Project:
Pace Project No.:

2H/4H-13 3027647

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

Pace Analytical is NELAP accredited Contact your Pace PM for the current list of accredited analytes

U - Indicates the compound was analyzed for, but not detected.

LABORATORIES

PASI-PA Pace Analytical Services - Greensburg

WORKORDER QUALIFIERS

WO 3027647

[2] This project was revised on 5/20/10 in order to add Bromochloromethane, 1,2,4-trichlorobenzene, Azobenzene, benzoic acid, carbazole, 1-methylnapthalene, N-nitrosodimethylamin.

ANALYTE QUALIFIERS

1c	ASTM BLANK
2c	Sample was tumbled on 05-17-2010 and analysis performed within 48 hours.
D6	The relative percent difference (RPD) between the sample and sample duplicate exceeded laboratory control limits.
L0	Analyte recovery in the laboratory control sample (LCS) was outside QC limits.
MO	Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.
М1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
R1	RPD value was outside control limits
SU	MBAS, calculated as LAS, Mol wt 342 2 g/mol

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Page 25 of 26



CABOT-EPA 006760



QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project:

2H/4H-13

Pace Project No: 3027647

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
3027647001	2H/4H-13	EPA 3050	MPRP/3844	EPA 6010B	ICP/3449
3027647001	2H/4H-13	EPA 7471	MERP/1921	EPA 7471	MERC/1876
3027647001	2H/4H-13	EPA 3546	OEXT/4910	EPA 8270	MSSV/2115
3027647001	2H/4H-13	EPA 8260	MSV/5837		
3027647001	2H/4H-13	ASTM D2974-87	PMST/1850		
3027647002	2H/4H-13 ASTM	SM 5540C	WET/5627		
3027647001	2H/4H-13	EPA 350.1	WETA/4255		
3027647002	2H/4H-13 ASTM	SM 4500-CI-E	WETA/4259		

Date: 05/20/2010 01:58 PM

REPORT OF LABORATORY ANALYSIS

Page 26 of 26

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CABOT-EPA 006761

CABOT-EPA 006762

Chain of Custody

,	Analysis	- 1n						S		Project No.: O. No: ASR-		17
	Face Analytic www.pacedabs ce Analytical Services	s com					Request Date: Shipped By:	5/17/10 Fed Ex	Analy	sis Due Date:	ASAP	
Sui	38 Roseytown Road ites 2,3, & 4						Certification	n Required:		PA Cert		
Pho	eensburg, PA 15601 one: (724) 850-5600 X: (724) 850-5601				Page 1 of	1		Project No.:		3027647 Tim Reed		
	Pace Sample ID:	Matrix:	Collection Date:	Time:		Analysis Req			Analytical Method:	Detection Limits:	Ur	nits ested:
1	3027647001	SL	5/13/10	11:15	Ethelyne Glycol	Allalysis Req	uesteu.		metriou.	Limits.	Requ	esteu.
3			 	- , ,							<u> </u>	
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10			-									
11							·				├ ──	
12	1										L	
·	ecial Requirements:								-		-	
	bcontract Lab:		vironmental Te	chnolgies,	Inc.	Analysis	Authorized By:					
Add	dress:	3310 Win S		-				Pace Agent Nar	ne		Title	
Pho	one:	330-253-82	Falls, OH 4422 211			Acceptar	ice of Terms By:	Subcontract Lat	Agent		Title	
Rei	linquised By:), [Signature & A	ffiliation)		5777017ω (Date) (Time)		Received By:	(Signature & Aff))	Z-75	(Date)	رو زر (Time)
Rel	linquised By:						Received By:	-	-			тинеј
Cor	mmente:	(Signature & A	ffiliation)		(Dale) (Time)			(Signature & Aff	liation)		(Date)	(Time)

DIM0227454

ASR (C015-0 31July2007)

Summit Environmental Technologies, Inc. Cooler Receipt Form

_	objer Receipt Fo		
Client: Pace	Order Num	ber:	007726
Date Received: S-18-10	Time Recei	ived:	DIOU
Number of Coolers/Boxes:	. N/A		
Shipper: FEDEX PS DHL Airborne	US Postal Walk-i	in Pickup	Other:
Packaging: Peanuts Bubble	Wrap Paper Foa	m None	Other:
Tape on coolerbox:	Θ	N	N/A
Custody Seals intact	\mathcal{O}	N	N/A
C-O-C in plastic	©	N	N/A
IceBlue ice	present / a	bsent / me	elted N/A
Sample Temperature	4.1	°C	N/A
C-O-C filled out properly	©	N	N/A
Samples in separate bags	\bigcirc	N	N/A
Sample containers intact*	\odot	N	N/A
*If no, list broken sample(s):	·		
Sample label(s) complete (ID, date, etc.)	®	N	N/A
Label(s) agree with C-O-C	\mathscr{D}	N	N/A
Correct containers used	${\mathfrak O}$	N	N/A
Sufficient sample received	\bigcirc	N	N/A
Bubbles absent from 40 mL vials**	Y	N	(N/A)
Samples with bubbles less than the size of a	a pea are acceptable.		<u> </u>
Was client contacted about samples	Y	N	
Vill client send new samples	Y	N	
Client contact:			
Date/Time:		•	
ogged in by:			
comments:			

Rev. 6



LABORATORY REPORT

Client

Pace Analytical 1638 Roseytown Road Greensburg, PA 15601

> Order Number 1007226

Project Number 3027647

Issued

Wednesday, May 19, 2010

Total Number of Pages

4 (excluding C.O.C. and cooler receipt form)

Approved By:

QA Manager

NELAC Accreditation #E87688

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Web Site: www.settek.com

CABOT-EPA 006764



2

Sample Summary

Client: <u>Pace Analytical</u> Order Number: <u>1007226</u>

Laboratory ID	Client ID	Matrix	Sampling Date
1007226-01	3027647001	Solid	5/13/2010

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3

Matrices:

C = Cream

L = Liquid

SO = Soil S = SolidT = Tablet

SL = Sludge

O = Oil

DW = Drinking Water

TC = TCLP Extract

WW = Waste Water W = Wipe

A = Air

Report Narrative

Client: Pace Analytical Order Number: 1007226

Solid sample results are reported on a wet weight basis except as noted. No problems were encountered during analysis of this order number, except as noted.

Data Qualifiers:

B = Analyte found in the method blank

J = Estimated concentration of analyte between MDL (LOD) and Reporting Limit (LOQ)

C = Analyte has been confirmed by another instrument or method

E = Analyte exceeds the upper limit of the calibration curve.

D = Sample or extract was analyzed at a higher dilution

X = User defined data qualifier.

S = Surrogate out of control limits

U = Undetected

a = Not Accredited by NELAC

ND = Non Detected at LOQ

DF = Dilution Factor

Limit Of Quantitation (LOQ) = Laboratory Reporting Limit (not adjusted for dilution factor) Limit Of Detection (LOD) = Laboratory Detection Limit

Estimated uncertainty values are available upon request.

The test results meet the requirements of the NELAC standard, except where noted. The information contained in this analytical report is the sole property of Summit Environmental Technologies, Inc. and that of the client. It cannot be reproduced in any form without the consent of Summit Environmental Technologies, Inc. or the client for which this report was issued. The results contained in this report are only representative of the samples received. Conditions can vary at different times and at different sampling conditions. Summit Environmental Technologies, Inc. is not responsible for use or interpretation of the data included herein.

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CABOT-EPA 006766



May 19, 2010

Client: Pace Analytical Address: 1638 Roseytown Road Greensburg, PA 15601

Received: 5/18/2010 Project #: 3027647

Client ID#

Lab ID#

Collected Analyte

Result

Units Matrix Method DF LOQ

Run Analyst

3027647001

1007226-01 13-May-10 Ethylene glycol

ND

mg/kg S 8015

10 19-May-10 JBN

Page 4

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CABOT-EPA 006767

FORM 1 VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT	SAMPLE	NO.
	VBLK	

			I ARPK I
Lab Name:		Contract:	
Lab Code:	Case No.:	SAS No.: SDG	No.: 3027647
Matrix: (soil/water)	SOIL	Lab Sample ID	: 171782
Sample wt/vol:	5.0 (g/mL) G	Lab File ID:	50518009
Level: (low/med)	LOW	Date Received	•
% Moisture: not dec.		Date Analyzed	: 05/18/10
GC Column: RTX-VMS	ID: 0.18 (mm)	Dilution Fact	or: 1.0
Soil Extract Volume:	(mL)	Soil Aliquot	Volume:(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/kg

Number TICs found: 4

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	~
1. 2. 3. 4. 5.	UNKNOWN COLUMN BLEED COLUMN BLEED	0.91 5.40 6.45 7.21	19.4	J J J
6. 7. 8. 9. 10.				
12. 13. 14. 15. 16. 17.				
19. 20. 21. 22.				
23. 24. 25. 26. 27.				
2930				

FORM I VOA-TIC

Data File: \\30wintarget\chem\30msv5.i\5100518.b\1.b\50518009.d

Date : 18-HAY-2010 13:24

Client ID:

Instrument: 30msv5.i

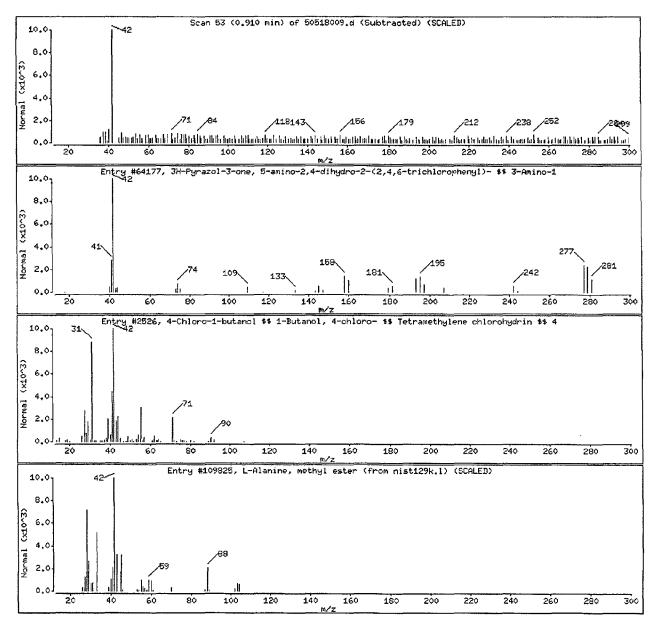
Sample Info: 171782,,5

Purge Volume: 5,0

Operator: JEW

Column phase: Rtx-VHS Column diameter: 0,18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
3H-Pyrazol-3-one, 5-amino-2,4-dihydro-2-	27241-31-2	nis t129 k.1	64177	45	C9H6C13N3O	277
4-Chloro-1-butanol \$\$ 1-Butanol, 4-chlor	928-51-8	nis t1 29k.1	2526	23	C4H9C10	108
L-Alanine, methyl ester	10065-72-2	nist129k,1	109825	23	C4H9N02	103



Data File: \\30wintarget\chem\30msv5.i\5100518.b\1.b\50518009.d

Date : 18-MAY-2010 13:24

Client ID:

Instrument: 30msv5.i

Sample Info; 171782,,5

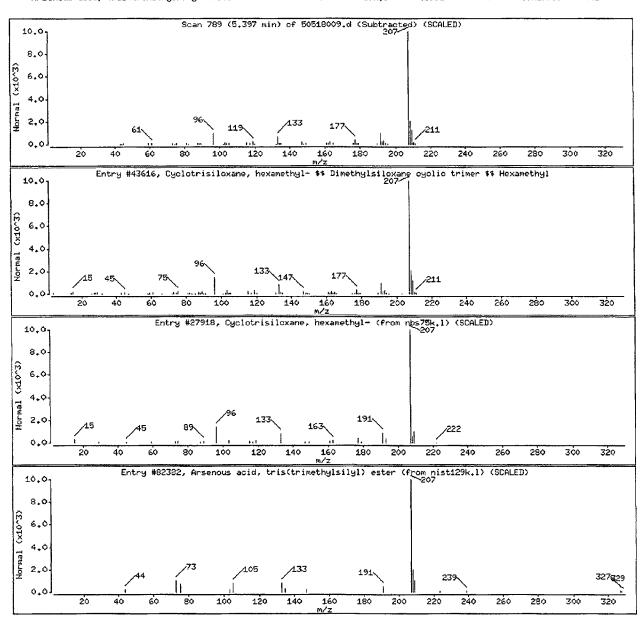
Purge Volume: 5.0

Operator: JEW

Column phase: Rtx-VMS

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
column bleed						
Cyclotrisiloxane, hexamethyl- \$\$ Dimethy	541-05-9	nist129k.l	43616	90	C6H1803Si3	222
Cyclotrisiloxane, hexamethyl-	541-05-9	nbs75k.1	27918	72	C6H18O3Si3	222
Arsenous acid, tris(trimethylsilyl) este	55429-29-3	nist129k.l	82382	50	C9H27As03S	13 342



Data File: \\30wintarget\chem\30msv5.i\5100518.b\1.b\50518009.d

Date : 18-MAY-2010 13:24

Client ID:

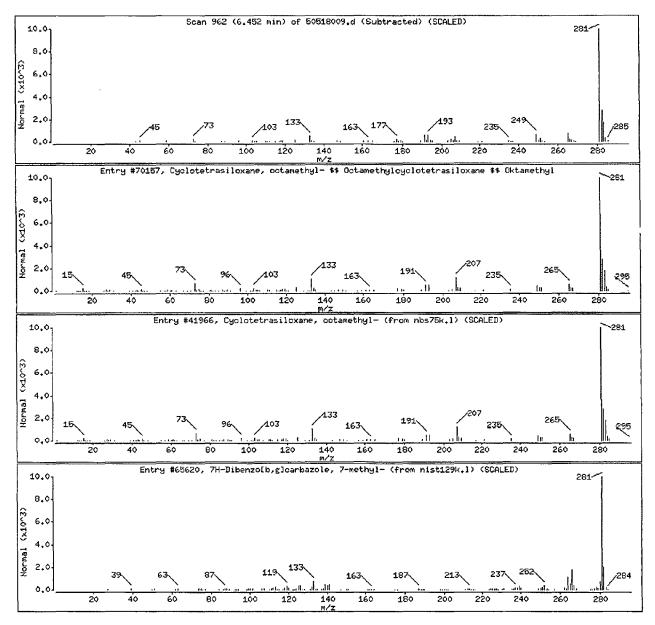
Sample Info: 171782,,5

Purge Volume: 5.0 Column phase: Rtx-VMS Operator: JEW

Column diameter: 0.18

Instrument: 30msv5.i

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Cyclotetrasiloxane, octamethyl- \$\$ Octam	556-67-2	nist129k.l	70157	86	C8H24O4Si4	296
Cyclotetrasiloxane, octamethyl-	556-67-2	nbs75k.l	41966	86	C8H24O4Si4	296
7H-Dibenzo[b,g]carbazole, 7-methyl-	3557-49-1	nist129k.1	65620	59	C21H15N	281



Data File: \\30wintarget\chem\30msv5.i\5100518.b\1.b\50518009.d

Date : 18-MAY-2010 13:24

Client ID:

Instrument: 30msv5.i

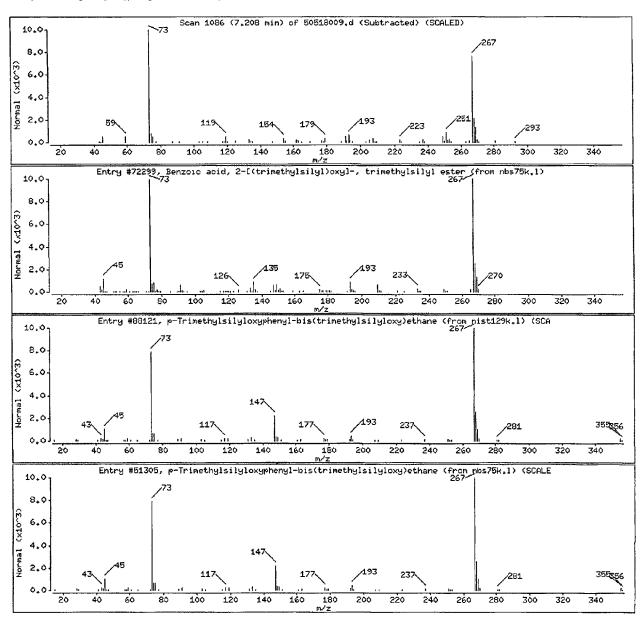
Sample Info: 171782,,5

Purge Volume: 5.0

Operator: JEW

Column phase: Rtx-VHS Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benzoic acid, 2-[(trimethylsilyl)oxy]-,	3789-85-3	nbs75k.1	72299	78	C13H22O3Si	2 282
p-Trimethylsilyloxyphenyl-bis(trimethyls	0-00-0	nist129k.l	88121	72	C17H34O3Si	3 370
p-Trimethylsilyloxyphenyl-bis(trimethyls	0-00-0	nbs75k,1	51305	72	C17H34O3Si	3 370



FORM 1 URS Corporation - PG14-MAY-2010 10:30

VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 3027647

Matrix: (soil/water) SOIL Lab Sample ID: 3027647001

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 50518011

Level: (low/med) LOW Date Received: 05/14/10

% Moisture: not dec. 10 Date Analyzed: 05/18/10

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: ____(mL) Soil Aliquot Volume: ____(uL)

CONCENTRATION UNITS:

Number TICs found: 4 (ug/L or ug/Kg) ug/kg

CAS NUMBER	COMPOUND NAME		RT	EST. CONC.	Q =====
1. 2. 3. 4. 5989-27-5 5.	UNKNOWN UNKNOWN UNKNOWN D-LIMONENE \$\$ CYCLOHEXENE,		0.91 0.93 5.85	15.9 31.8 5.64 3.33	J
8. 9. 10.					
14. 15. 16. 17.					
20. 21. 22. 23.		_			
25. 26. 27. 28. 29.		_			
JV 4		_			

FORM I VOA-TIC

2H/4H-13

Data File: \\30wintarget\chem\30msv5.i\5100518.b\1.b\80518011.d

Date : 18-MAY-2010 14:10

Client ID: EH/4H~13

Instrument: 30msv5.i

Sample Info: 3027647001,,6,26

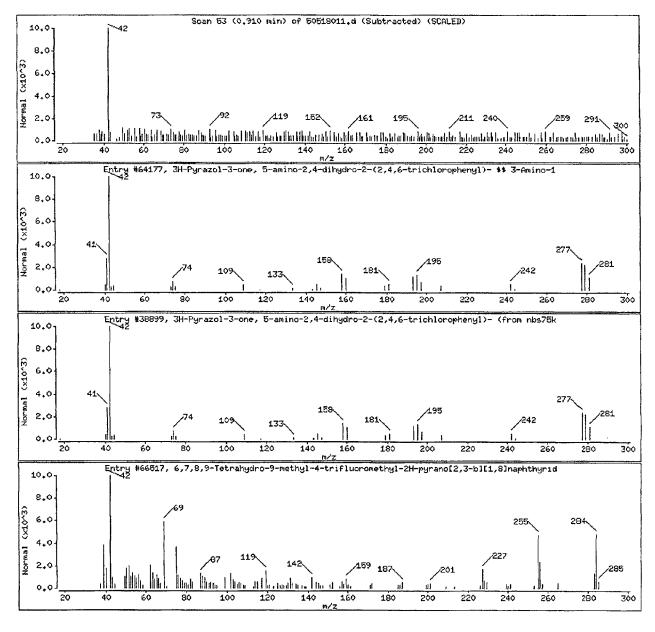
Purge Volume: 5.0

Operator: JEW

Column phase: Rtx-VMS

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
3H-Pyrazol-3-one, 5-amino-2,4-dihydro-2-	27241-31-2	nist129k.l	64177	50	C3H6C13N30	277
3H-Pyrazol-3-one, 5-amino-2,4-dihydro-2-	27241-31-2	nbs75k.I	38899	50	C9H6C13H30	277
6,7.8,9-Tetrahydro-9-methyl-4-trifluorom	0-00 -0	n1st129k,1	66517	37	C13H11F3H2	D2 284



Data File: \\30wintarget\chem\30msv5,i\5100518,b\1,b\50518011.d

Date : 18-HAY-2010 14:10

Client ID: 2H/4H-13 Instrument: 30msv5.i

Sample Info: 3027647001,,6.26

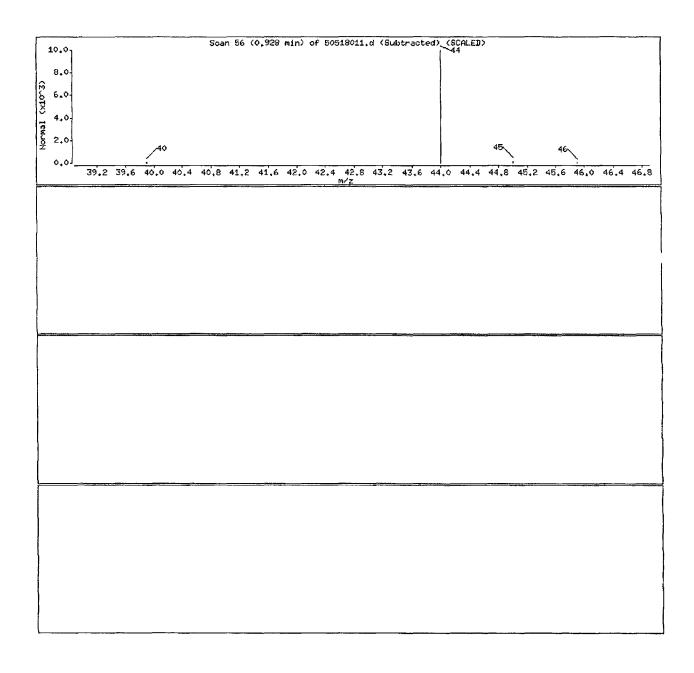
Purge Volume: 5.0

Operator: JEW

Column phase: Rtx-VMS Column diameter: 0.18

Library Search Compound Hatch CAS Number Library Entry Quality Formula

Unknown



CABOT-EPA 006775

Weight

Data File: \\30wintarget\chem\30msv6.i\5100518.b\1.b\50518011.d

Date : 18-MAY-2010 14:10

Client ID: 2H/4H-13

Instrument: 30msv5.i

Sample Info: 3027647001,,6.26

Purge Volume: 5.0

Operator: JEW

Column phase: Rtx-VMS

Column diameter: 0,18

Library Search Compound Match Unknown

CAS Number Library Entry

Hexanal

66-25-1

nist129k,1

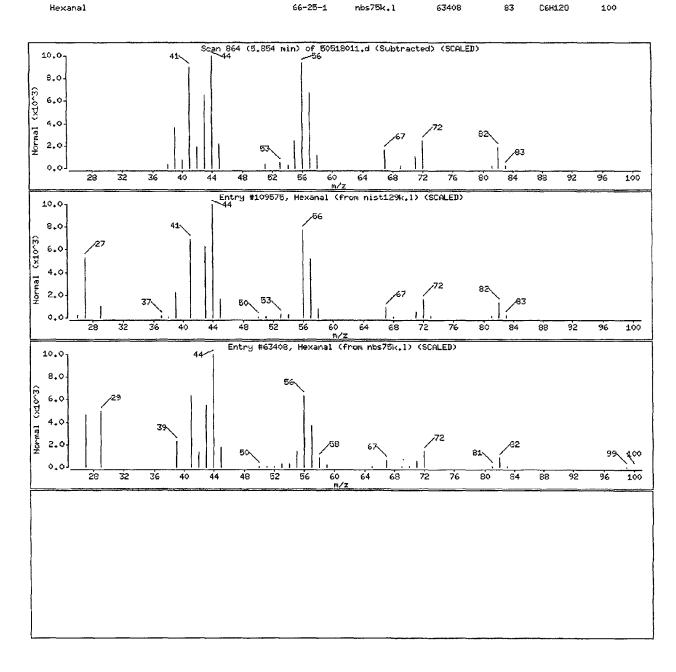
109575

C6H120 C6H12O 83

Quality Formula

100

Weight



Data File: \\30wintarget\chem\30msv5.i\5100518.b\1.b\50518011.d

Date : 18-MAY-2010 14:10

Client ID: 2H/4H-13

Instrument: 30msv5.i

Sample Info: 3027647001,,6.26

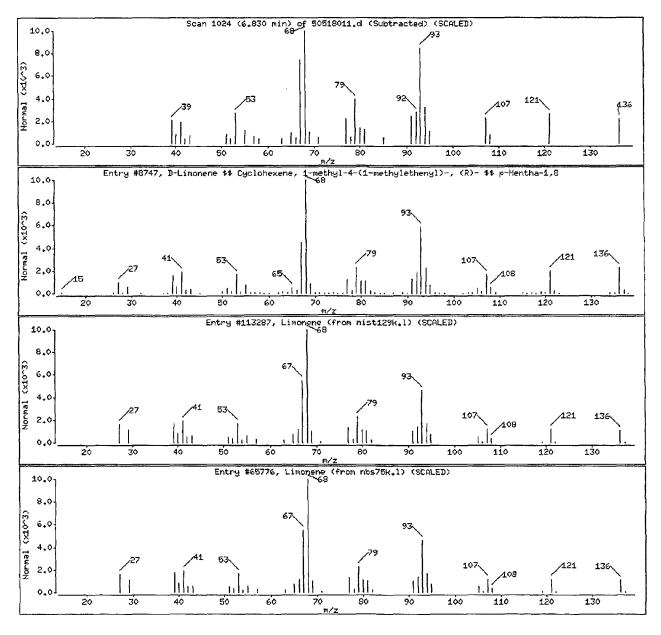
Purge Volume: 5.0

Operator: JEW

Column phase: Rtx-VMS

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
D-Limonene \$\$ Cyclohexene, 1-methyl-4-(1	5989-27-5	nist129k.l	8747	94	C10H16	136
Limonene	138-86-3	nist129k,l	113287	93	C10H16	136
Limonene	138-86-3	nbs75k.l	65776	93	C10H16	136



FORM 1 SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MB	
	I

Lab	Name:

Contract:

Lab Code:

Case No.:

SAS No.:

SDG No.: 30MSS1-MSS105181

Matrix: (soil/water) SOIL

Lab Sample ID: 171088

Sample wt/vol: 15.0 (g/mL) G

Lab File ID: M10518A3

Level: (low/med) LOW

Date Received: 05/17/10

% Moisture: ____ decanted: (Y/N)___

Date Extracted:07/11/91

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 05/18/10

Injection Volume: ____(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

Number TICs found: 3

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 2. 565-75-3 3.	UNKNOWN PENTANE, 2,3,4-TRIMETHYL- \$\$ UNKNOWN	3.67	299 284 1480	J UJ
5. 6. 7. 8.				
10. 11. 12. 13.				
14. 15. 16. 17.				
20. 21. 22. 23.				
24. 25. 26. 27.				
29.				

FORM I SV-TIC

FORM 1 URS Corporation - PG14-MAY-2010 10:30 SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name:

Contract:

2H/4H-13

Lab Code:

Case No.:

SAS No.:

SDG No.: 30MSS1-MSS105181

Matrix: (soil/water) SOIL

Lab Sample ID: 3027647001

Sample wt/vol:

15.3 (g/mL) G

Lab File ID: M10518A5

Level: (low/med) LOW

decanted: (Y/N) N

Date Received: 05/14/10

% Moisture: 10

Date Extracted:07/11/91

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 05/18/10

Injection Volume: ____(uL)

Number TICs found: 3

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	
1. 2. 3. 4.	UNKNOWN UNKNOWN UNKNOWN	3.67 4.01 4.50	272 351 1390	
5 6 7 8.				
10. 11. 12.	b			
15. 16. 17.				
19. 20.				
22. 23. 24. 25. 26.				
27. 28. 29.				

FORM I SV-TIC

Pace Analytical*

www.pacetabs.com																												
Section A	Section I								Sec	ction	n C												Pa	ige:	i		of	1
Required Client Information:	Required									-		nation:											Γ		1 1	20	410	
Company: URS GRES RATION	Report To:	IA	126	5 P	TTE	101	12540	۳.د	h.	ention	1	DA	<u>1E</u>		155	970			┸				丄		<u> </u>	90	110	14
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PITTS GLAGH PA 15220									Add	ress	-								T	NP	DES	f	GRO	UND V	VATER	1-	DRINKI	NG WATER
Email To:	Purchase	Order	No.:			_				e Quo									ŗ	US	Т	f-	RCRA	Ą			OTHER	
Phone: Fax:	Project Na	me'							Pace	a Proje	ect								s	ite Lo	cation	T			T			
Requested Due Date/TAT.	Project Nu	mber.								e Prof			-						-	s	TATE:	ا ـ	P	Δ.	_			
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Required Client information MATRIX	CODE	(see valid codes to left)	C=COMP)		COLL	ECTED		1	ı	L		Pres	rvat	ives		Ē	Ц	-	\perp	\sqcup	4	\sqcup	4	\bot				
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(A-Z, 0-9 / -) Wipe	OL WP AR TS	CODE	1					SAMPLE TEMP AT	CONTAINERS	-	,	П				Test	1	12			Ą	1	Ş	2000	틸	3)y Iu	-, -
Sample IDs MUST BE UNIQUE Tissue Other	OT	8	SAMPLE TYPE			1	i	É	Š	l eve	H ₂ SO ₄	П	1	-	5	Analysis	Voc's (Tel	N	HE PAI S		304	0				_		
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5											L		I	Ш	I								\perp					
6										L				Ш													******	
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12			Ш					Щ	L	Т.	Щ	Ш	丄	\sqcup	丄	Ш	Ш			LL	\perp	\perp	\perp	\perp				
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"Important Note: By signing this form you are incrept	ng Pace's NE	T 30 d	lay pay	mont terms a	nd agreeing t	n late charge:	of 15% per	manth	1c/ ar	ny mwa	Olcos	not pas	with	730 d	ays									F-AL	L-Q-020	ev.0	7, 15-May-	2007

Sam	ple Condition	Unon Receipt		
Face Analytical Client Name:	URS		Project # 30270	art
Courier: A Fed Ex UPS USPS Clien Tracking #: 8784 5073 0070 Custody Seal on Cooler/Box Present: Ayes	Commercial no Seals	Pace Other	Optional Proj. Due Date: Proj. Name:	
Packing Material: Bubble Wrap Bubble			·~	
Thermometer Used (3) 5	Type of Ice: (Wet)		Samples on ice, cooling proces	s has begun
Cooler Temperature 5.8 Temp should be above freezing to 6°C		is Frozen: Yes No Comments:	Date and Initials of perso contents: KES 5/	n examining
Chain of Custody Present:	Yes Ono Onia	1.		
Chain of Custody Filled Out:	ÔN∮es □no □n/A	2.		
Chain of Custody Relinquished:	Xves ONO ON/A	3		
Sampler Name & Signature on COC:	Àyes □no □n/a	4.		
Samples Arrived within Hold Time:	Yes Ono ONA	5.		
Short Hold Time Analysis (<72hr):	□Yes ⊠NO □N/A	6		
Rush Turn Around Time Requested:	DEYes ONO ON/A	7.3 Days		
Sufficient Volume:	Yes DNo DN/A	8.		
Correct Containers Used:	XYes ONO ONIA	9.		
-Pace Containers Used:	Žives □No □N/A			
Containers Intact	Zves Ono On/A	10.		
Filtered volume received for Dissolved tests	□Yes □No ŚN/A	11.		
Sample Labels match COC:	XYes □No □N/A	12.		
Includes date/time/ID/Analysis Matrix:	۲			
All containers needing preservation have been checked.	□Yes □No QÍN/A	13.		
All containers needing preservation are found to be in compliance with EPA recommendation.	□Yes □No DAVA			
exceptions: VOA, coliform, TOC, D&G, Wi-DRO (water)	Xes □No	Initial when CFS	Lot # of added preservative	
Samples checked for dechlorination:	□Yes □No XN/A	14.		
Headspace in VOA Vials (>6mm):	□Yes □No ¤N/A	1		
Trip Blank Present:	□Yes ⊠No □N/A			· · · · · · · · · · · · · · · · · · ·
Trip Blank Custody Seals Present	□Yes □No DN/A			
Pace Trip Blank Lot # (if purchased):				
Client Notification/ Resolution:			Field Data Required?	Y / N
Person Contacted:	Date/	Time:		
Comments/ Resolution:				
			- Jan	
			,	
		~		7
			5/141	7/0
Project Manager Review:			Date: <u> </u>	/'

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e out of hold, incorrect preservative, out of temp, incorrect containers)

F-ALLC003-4 23Feb2010



June 01, 2010

Mr. Jim Pinta URS Corporation Foster Plaza 4 501 Holiday Drive, Suite 300 Pittsburgh, PA 15220

RE: Project: 2H/4H
Pace Project No.: 3028497

Dear Mr. Pinta:

Enclosed are the analytical results for sample(s) received by the laboratory on May 27, 2010. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Timothy Reed

timothy.reed@pacelabs.com Project Manager

Enclosures

REPORT OF LABORATORY ANALYSIS

Page 1 of 9

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CABOT-EPA 006782



Pace Analytical Services, Inc.

1638 Roseytown Road - Suites 2,3,4 Greensburg, PA 15601

(724)850-5600

CERTIFICATIONS

Project:

2H/4H

Pace Project No:

3028497

Pennsylvania Certification IDs 1638 Roseytown Road Suites 2,3&4 Greensburg, PA

Wyoming Certification #. 8TMS-Q Wisconsin/PADEP Certification West Virginia Certification #. 143
Washington Certification #. C1941
Virginia Certification #. 00112
Virginia Island/PADEP Certification

Utah/NELAC Certification # ANTE Texas/NELAC Certification # T104704188-09 TX Tennessee Certification #: TN2867

South Dakota Certification Puerto Rico Certification # PA01457
Pennsylvania/NELAC Certification #: 65-00282
Oregon/NELAC Certification #: PA200002
North Carolina Certification #: 42706
New York/NELAC Certification #: 10888

New Mexico Certification
New Jersey/NELAC Certification #. PA 051
New Hampshire/NELAC Certification #. 2976 Nevada Certification

Montana Certification #: Cert 0082 Missouri Certification #: 235

Michigan/PADEP Certification Massachusetts Certification #: M-PA1457 Maryland Certification #: 308

Maine Certification #: PA0091
Louisiana/NELAC Certification #: LA080002
Louisiana/NELAC Certification #: 4086
Kentucky Certification # 90133
Kansas/NELAC Certification #: E-10358

Kansas/NELAC Certification #: E-10358 lowa Certification #: 391 Indiana/PADEP Certification Illinois/PADEP Certification Idaho Certification Hawaii/PADEP Certification Guart/PADEP Certification #: E87683 Delaware Certification #: E87683 Delaware Certification #: PH 0694

Connecticut Certification #. PH 0694

Colorado Certification California/NELAC Certification #: 04222CA

Arkansas Certification Arizona Certification #. AZ0734

Alabama Certification # 41590

REPORT OF LABORATORY ANALYSIS

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Page 2 of 9

CABOT-EPA 006783

DIM0227454

DIM0228016



SAMPLE ANALYTE COUNT

Project:

2H/4H

Pace Project No:

3028497

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
3028497001	2H-CONF-7R2	EPA 6010B	SAB	1	PASI-PA
		ASTM D2974-87	DSC	1	PASI-PA
3028497002	2H-CONF-12R2	EPA 6010B	SAB	1	PASI-PA
	· · · · · · · · · · · · · · · · · · ·	ASTM D2974-87	DSC	1	PASI-PA

REPORT OF LABORATORY ANALYSIS

Page 3 of 9

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CABOT-EPA 006784



ANALYTICAL RESULTS

Project:

2H/4H

Pace Project No.:

3028497

Results reported on a "dry-weight" basis Parameters

Sample: 2H-CONF-7R2

Lab ID: 3028497001

Results

Report Limit

Collected: 05/27/10 11:20 Received. 05/27/10 17:57 Matrix: Solid

Prepared

CAS No.

Qual

6010 MET ICP

Analytical Method EPA 6010B Preparation Method: EPA 3050

Arsenic

2.0 mg/kg

0.42

05/28/10 11:12 06/01/10 12:53 7440-38-2

Percent Moisture

Analytical Method: ASTM D2974-87

Units

Percent Moisture

2.2 %

0.10 1

DF

05/28/10 18:12

Analyzed

Date: 06/01/2010 03:07 PM

REPORT OF LABORATORY ANALYSIS

Page 4 of 9

CABOT-EPA 006785

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ANALYTICAL RESULTS

Project: 2H/4H

Pace Project No.: 3028497

Sample: 2H-CONF-12R2 Lab ID: 3028497002 Collected: 05/27/10 11:45 Received: 05/27/10 17:57 Matrix. Solid

Results reported on a "dry-weight" basis

Parameters Results Units Report Limit DF Prepared Analyzed CAS No. Qual

6010 MET ICP Analytical Method: EPA 6010B Preparation Method: EPA 3050

Arsenic 1.3 mg/kg 0.36 1 05/28/10 11:12 06/01/10 13:06 7440-38-2

Percent Moisture Analytical Method: ASTM D2974-87

Percent Moisture 1.2 % 0.10 1 05/28/10 18:13

Date. 06/01/2010 03:07 PM

REPORT OF LABORATORY ANALYSIS

Page 5 of 9

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CABOT-EPA 006786



QUALITY CONTROL DATA

Project

2H/4H

Pace Project No.:

3028497

QC Batch:

MPRP/3936

Analysis Method:

EPA 6010B

QC Batch Method:

EPA 3050

Analysis Description:

Associated Lab Samples

3028497001, 3028497002

6010 MET

METHOD BLANK: 175980

Units

Units

Matrix: Solid

Associated Lab Samples:

3028497001, 3028497002

Blank

Reporting Limit

Analyzed

Qualifiers

Arsenic

mg/kg

Result

ND

0.50 06/01/10 12:45

LABORATORY CONTROL SAMPLE:

Parameter

Parameter

Parameter

Parameter

175981

Spike

LCS Result

LCS % Rec % Rec Limits

Qualifiers

Arsenic

mg/kg

Conc 50

446

% Rec

Arsenic

MATRIX SPIKE SAMPLE:

175983

mg/kg

mg/kg

Units

Units

3028497001 Result 20

2.0

Spike Conc. 34.6

Result 28.7

MS

89

MS % Rec

80-120

Limits 80-120 MO

Qualifiers

SAMPLE DUPLICATE: 175982

Arsenic

3028497001 Result

Dup

Result

2.0

RPD

Qualifiers

77

Date: 06/01/2010 03.07 PM

REPORT OF LABORATORY ANALYSIS

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CABOT-EPA 006787

Page 6 of 9



QUALITY CONTROL DATA

Project⁻

2H/4H

Pace Project No..

3028497

QC Batch. QC Batch Method: PMST/1873 ASTM D2974-87 Analysis Method

ASTM D2974-87

Analysis Description:

Dry Weight/Percent Moisture

SAMPLE DUPLICATE: 176457

Associated Lab Samples: 3028497001, 3028497002

3027838001 Result

Dup Result

Dup

RPD Qualifiers

Percent Moisture

%

Units

Units

17.1

21.2

22 1c

SAMPLE DUPLICATE: 176458

Parameter

Parameter

3027838002 Result

Result

RPD Qualifiers

Percent Moisture

%

22.7

22.0

Date: 06/01/2010 03.07 PM

REPORT OF LABORATORY ANALYSIS

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CABOT-EPA 006788

Page 7 of 9



QUALIFIERS

Project:

2H/4H

Pace Project No.:

3028497

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270 The result reported for each analyte is a combined concentration.

Pace Analytical is NELAP accredited. Contact your Pace PM for the current list of accredited analytes.

LABORATORIES

PASI-PA Pace Analytical Services - Greensburg

ANALYTE QUALIFIERS

1c RPD outside QC limits due to non-homogenous sample.

M0 Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits

Date: 06/01/2010 03:07 PM

REPORT OF LABORATORY ANALYSIS

Page 8 of 9

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CABOT-EPA 006789



QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project.

2H/4H

Pace Project No: 3028497

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
3028497001 3028497002	2H-CONF-7R2 2H-CONF-12R2	EPA 3050 EPA 3050	MPRP/3936 MPRP/3936	EPA 6010B EPA 6010B	ICP/3531 ICP/3531
3028497001 3028497002	2H-CONF-7R2 2H-CONF-12R2	ASTM D2974-87 ASTM D2974-87	PMST/1873 PMST/1873		

Date. 06/01/2010 03:07 PM

REPORT OF LABORATORY ANALYSIS

Page 9 of 9

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CABOT-EPA 006790

CHAIN-OF-CUSTODY / Analytical Request Document The Chain-of-Custody is a LEGAL DOCUMENT. All rolevent fields must be completed accurately.

www paretabs.com				
Section A Se	ection B		Section C	Page: of
Required Client Information: Re-	equired Project Information		Invoice Information:	
UK> UK > UK > UK > UK > UK > UK > UK >	eport To: Janas Pin	to urscorp. com	Attention Thomas Mordy QURSO	orp.com 1361248
201 /10110134 DAIAR	opy To Mark-Hol	SIMOURS CONDITION	Company Names Corp	REGULATORY AGENCY
PHSburgh PA152201	Andy-Mehalk	COSTIRSCORP, COM	Address 501 Holiday Drive	NPDES T GROUND WATER TORINKING WATER
Email To Sayne S-V, ht & CURSCO PUP Phone, 412-68-44-85	urchase Order No.:		Pace Quote P. Hsburgh PA B720	UST F RCRA F OTHER
Phone: 417-503-447	roject Name + HG	ZH/4H	Pace Project TIM Read	Site Location .
Requested Due Dan ATATA Was Pro	roject Number 399 39	654 : 00001	Pace Froire #.	STATE: PA
24 hr	2// 3/	osi ivaci	Requeste	d Analysis Filtered (Y/N)
Section D Matrix Code	95 3 3		Preservatives	
Required Client Information MATRIX / CQC	20E 2 2	COLLECTED	Preservatives >	
Water	DW S O COMP	coverce E		
Product	WW B M STA	END/GRAB		
SAMPLE ID Sol/Solid	P St STA	OSITE COUPCE TE STORY OF THE ST	d d Tost	3028497
(A-Z 0-9 / -) Air		I A G	# OF CONTAINERS Unpresserved 14.50-1 HWO, HCI NACH NACH NACH NACH Content Cont	
Other		TEMP	INC Sol Sol Sol Sol Sol Sol Sol Sol Sol Sol	
# #	MATRIX COD 10 10 10 10 10 10 10 10 10 10 10 10 10	DIME DATE THE S	# OF CONTAIN Unpreserved H.SO, HNO, HNO, HOI NA,SO, Methanol Other Cher	1111111 3 001
<u> </u>	₹ 8 DATE	TIME DATE TIME OF	# OF C Unpres H,SO ₁ HCI NaOH Na,S ₂ C Methan Other	Pace Project No./ Lab I.
1 5-2H-(ONF-7RZ	5L G	5-27-10 1/20		
2 -2H-CONF-12P2	- 26	5.2714/145	Y I	1111/11/24/4/
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12			<u></u>	
ADDITIONAL COMMENTS	RED NOUISHED BY	AFFILATION DATE	TIME ACCEPTED BY / AFFILIATION	DATE TIME SAMPLE CONDITIONS
		1/1/	- (Red How deal	
	1 par 1	Tile A. 5/4	7/10, Camponelle :	727/10. 1757 120 Y NY Y
		7/	1750	
			12	
00101	I LIAI	SAMPLER NAME AND SIGNATURE		
ORIGI	INAL	PRINT Name of SAMPLER	Hames Wath JR	Custody (Y/N) Custody (Y/N) (Y/N) (Y/N) (Y/N)
		SIGNATURE of SAMPLER:	DATE Signed	Custody (7/N) - (7/N)
Signing this form you are accopting Pa	l Paco's NET 30 day payment forms a	nd agreeing to late charges of 1.5% per month		F-ALL-Q-020rev 07, 15-M '07

Sa	mple Condi	tion	Upon Receipt		OUB .
Pace Analytical Client Name	=: <u> </u>	<u>2.)</u>		Project#_	3028497
Courier: Fed Ex UPS USPS Coler Tracking #: Custody Seal on Cooler/Box Present: yes		cial Seals i	Pace Other	Proj.	onal Due Date: Name:
		_	Other	J 110	
Packing Material: Bubble Wrap Thermometer Used 3 5	Type of Ice:		Blue None	Tamatas as iss	cooling process has begun
Cooler Temperature 12,0 Temp should be above freezing to 6°C	• •	issue i	s Frozen: Yes No	<u> </u>	itials of person examining
Chain of Custody Present:	(□ýès □no		1,		
Chain of Custody Filled Out:		□N/A			
Chain of Custody Relinquished:	(☐Yes □No	□n/a			
Sampler Name & Signature on COC:	(d□Yes □No	□n/a			
Samples Arrived within Hold Time:	☐Yeş □No	□n/a			
Short Hold Time Analysis (<72hr):	□Yes □Ŋo	□n/a	6.		
Rush Turn Around Time Requested:	(□Yes □No	□n/a	7. 7.9	ha	
Sufficient Volume:	(☐Yès □No	□n/a	8.	···	
Correct Containers Used:	(□)es □No	□n/a	9.		
-Pace Containers Used:	(☐ÿès □no	□N/A			
Containers Intact:	(D)es 🗆 No	□n/a	10.		
Filtered volume received for Dissolved tests	□Yes □No	(ÎN)A	11.		
Sample Labels match COC:	(Ĉ)Yes □No	□N/A	12.		
-Includes date/time/ID/Analysis Matrix:	56	<u>-</u> -			
All containers needing preservation have been checked.	□Yes □No	ZINA	13		
All containers needing preservation are found to be in compliance with EPA recommendation.	□Yes □No(1	
exceptions: VOA, coliform, TOC, O&G, Wi-DRO (water)	UYes (Dho)		Initial when completed	Lot # of added preservative	
Samples checked for dechlorination:	□Yes □Nd	□ NyA	14.		
Headspace in VOA Vials (>6mm):	□Yes □No	□N/A	15		
Trip Blank Present:	□Yes □Nd	DNA	16.		
Trip Blank Custody Seals Present	□Yes □No				
Pace Trip Blank Lot# (if purchased):					
Client Notification/ Resolution:				Field Data Reg	ured? Y / N
Person Contacted:		Date/	Time:	•	
Comments/ Resolution:		_			
				, <u>.</u>	
				······································	
					5/2/
Project Manager Review:				Date:	180/10
					/ /

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. out of hold, incorrect preservative, out of temp, incorrect containers)

F-ALLC003-4 23Feb2010



ANALYTICAL & ENVIRONMENTAL LABORATORIES, INC.

March 26, 2010

James Pinta URS Corporation Foster Plaza 4 501 Holiday Drive, Suite 300 Pittsburgh, PA 15220 Date Sampled: Time Sampled: 23-Mar-10

Date Received:

14:15 23-Mar-10

Sampled by:

James Pinta/ URS

Matrix:

Waste Water



PARAMETER	RESULT	· · · · · · · · · · · · · · · · · · ·	UNITS	METHOD	ANALYZED
		REPORTING	LIMIT		
Aluminum, total	46.6	0.05	mg/L	EPA 200.7	26-Mar-10
Antimony, total	0.061	0.0050	mg/L	EPA 200.7	26-Mar-10
Arsenic, total	0.13	0.0050	mg/L	EPA 200.7	26-Mar-10
Barium, total	8.7	0.010	mg/L	EPA 200.7	26-Mar-10
Beryllium, total	0.0040	0.0010	mg/L	EPA 200.7	26-Mar-10
Boron, total	0.19	0.050	mg/L	EPA 200.7	26-Mar-10
Cadmium, total	0.0047	0.0010	mg/L	EPA 200.7	26-Mar-10
Calcium, total	72.2	1.0	mg/L	EPA 200.7	26-Mar-10
Chromium, total	0.14	0.0050	mg/L	EPA 200.7	26-Mar-10
Cobalt, total	0.040	0.0050	mg/L	EPA 200.7	26-Mar-10
Copper, total	0.31	0.0050	mg/L	EPA 200.7	26-Mar-10
Iron, total	65.8	0.050	mg/L	EPA 200.7	26-Mar-10
Lead, total	1.3	0.0020	mg/L	EPA 200.7	26-Mar-10
Magnesium, total	10.0	0.20	mg/L	EPA 200.7	26-Mar-10
Manganese, total	2.0	0.0050	mg/L	EPA 200.7	26-Mar-10
Mercury, total	0.0025	0.00020	mg/L	EPA 245.2	26-Mar-10
Molybdenum, total	0.28	0.020	mg/L	EPA 200.7	26-Mar-10
Nickel, total	0.18	0.010	mg/L	EPA 200.7	26-Mar-10
Potassium, total	28.7	0.50	mg/L	EPA 200.7	26-Mar-10
Selenium, total	0.0066	0.0050	mg/L	EPA 200.7	26-Mar-10
Silver, total	0.0025	0.0010	mg/L	EPA 200.7	26-Mar-10
Sodium, total	216	1.0	mg/L	EPA 200.7	26-Mar-10
Thallium, total	< 0.010	0.010	mg/∟	EPA 200 7	26-Mar-10
Vanadium, total	0.20	0.0050	mg/L	EPA 200.7	26-Mar-10
Zinc, total	0.53	0.010	mg/L	EPA 200.7	26-Mar-10

Joe R. Mussari, III Taboratory Director

DICKSON CITY INDUSTRIAL PARK 824 ENTERPRISE STREET DICKSON CITY, PA 18519-1593

PHONE: (570) 489-6964

FAX: (570) 489-6965



CABOT-EPA 006793



ANALYTICAL & ENVIRONMENTAL LABORATORIES, INC.

March 26, 2010

James Pinta URS Corporation Foster Plaza 4 501 Holiday Drive, Suite 300 Pittsburgh, PA 15220 Date Sampled:

23-Mar-10

Time Sampled: Date Received: 14:15 23-Mar-10

Sampled by:

James Pinta/ URS

Matrix:

Waste Water

01

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	ANALYZED	
Aluminum, dissolved	1.1	0.05	mg/L	EPA 200.7	26-Mar-10	
Antimony, dissolved	0.078	0.0050	mg/L	EPA 200.7	26-Mar-10	
Anumony, dissolved Arsenic, dissolved	0.078	0.0050	mg/L	EPA 200.7	26-Mar-10	
Barium, dissolved	3.1	0.010	mg/L	EPA 200.7	26-Mar-10 26-Mar-10	
Beryllium, dissolved	< 0.0010	0.0010	mg/L	EPA 200.7	26-Mar-10	
Boron, dissolved	0.12	0.050	-	EPA 200.7	26-Mar-10	
	< 0.0010	0.0010	mg/L	EPA 200.7 EPA 200.7	26-Mar-10	
Cadmium, dissolved	18.4	1.0	mg/L			
Calcium, dissolved			mg/L	EPA 200.7	26-Mar-10	
Chromium, dissolved	0.0082	0.0050	mg/L	EPA 200.7	26-Mar-10	
Cobalt, dissolved	< 0.0050	0.0050	mg/L	EPA 200.7	26-Mar-10	
Copper, dissolved	0.012	0.0050	mg/L	EPA 200.7	26-Mar-10	
Iron, dissolved	1.0	0.050	mg/L	EPA 200.7	26-Mar-10	
Lead, dissolved	0.049	0.0020	mg/L	EPA 200.7	26-Mar-10	
Magnesium, dissolved	0.40	0.20	mg/L	EPA 200.7	26-Mar-10	
Manganese, dissolved	0.036	0.0050	mg/L	EPA 200.7	26-Mar-10	
Mercury, dissolved	< 0.00020	0.00020	mg/L	EPA 245.2	26-Mar-10	
Molybdenum, dissolved	0.23	0.020	mg/L	EPA 200.7	26-Mar-10	
Nickel, dissolved	0.021	0.010	mg/L	EPA 200.7	26-Mar-10	
Potassium, dissolved	17.1	0.50	mg/L	EPA 200.7	26-Mar-10	
Selenium, dissolved	< 0 0050	0.0050	mg/L	EPA 200.7	26-Mar-10	
Silver, dissolved	< 0.0010	0.0010	mg/L	EPA 200.7	26-Mar-10	
Sodium, dissolved	25 9	1.0	mg/L	EPA 200.7	26-Mar-10	
Thallium, dissolved	< 0.010	0.010	mg/L	EPA 200.7	26-Mar-10	
Vanadium, dissolved	0.045	0.0050	mg/L	EPA 200.7	26-Mar-10	
Zınc, dissolved	0.015	0.010	mg/L	EPA 200.7	26-Mar-10	

Joe R. Mussari, III Laboratory Director

DICKSON CITY INDUSTRIAL PARK 824 ENTERPRISE STREET DICKSON CITY, PA 18519-1593

PHONE: (570) 489-6964

FAX: (570) 489-6965



CABOT-EPA 006794

QUANTUM

ANALYTICAL & ENVIRONMENTAL LABORATORIES, INC.

March 26, 2010

James Pinta URS Corporation Foster Plaza 4 501 Holiday Drive, Suite 300 Pittsburgh, PA 15220 Date Sampled: Time Sampled: Date Received: Sampled by:

23-Mar-10 14:15 23-Mar-10 James Pinta/ URS

Matrix

Waste Water

01

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	ANALYZED
Acetone	0.032	0.010	mg/L	EPA 8260B	25-Mar-10
Benzene	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
Bromodichloromethane	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
Bramoform	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
Bromometh an e	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
2-Butanone	< 0.010	0.010	mg/L	EPA 8260B	25-Mar-10
Carbon Disulfide	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
Carbon Tetrachloride	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
Chlorobenzene	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
Chloroetharie	< 0.005	0 005	mg/L	EPA 8260B	25-Mar-10
Chloroform	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
Chloromethane	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
Dibromochloromethane	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
1,1-Dichloroethane	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
1.2-Dichloroethane	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
1,1-Dichlorootheno	< 0.005	0,005	mg/L	EPA 8260B	25-Mar-10
cis-1,2-Dichloroethene	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
trans-1,2-Dichloroethene	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
1,2-Dichloropropane	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
cis-1,3-Dichloropropene	< 0 005	0 005	mg/L	EPA 8260B	25-Mar-10
trans-1,3-Dichloropropene	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
Ethylbenzeno	< 0.005	0 005	mg/L	EPA 8260B	25-Mar-10
2-Hexanone	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
4-Methyl-2-pentanone	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
Styrene	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
1.1.2.2-Tetrachlomethane	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
Tetrachloroethene	< 0 005	0 005	mg/L	EPA 8260B	25-Mar-10
Toluene	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
1,1,4-Trichloroethane	< 0.005	0 005	mg/L	EPA 8260B	25-Mar-10
1.1.2-Trichloroethane	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
Trichloroethene	< 0.005	0 005	mg/L	EPA 8260B	25-Mar-10
Vinyl Chloride	< 0.002	0.002	mg/L	EPA 8260B	25-Mar-10
m.p-Xylenes	< 0.010	0.010	mg/L	EPA 8260B	25-Mar-10
o-Xylene	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
n-Butylbenzene	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
sec-Butylbenzene	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
Isopropylbenzeno	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
n-Propylbenzeno	< 0.005	0 005	mg/L	EPA 8260B	25-Mar-10
p-Isopropyltoluene	< 0 005	0.005	mg/L	EPA 8260B	25-Mar-10

DICKSON CITY INDUSTRIAL PARK 824 ENTERPRISE STREET DICKSON CITY, PA 18519-1593

PHONE: (570) 489-6964

FAX: (570) 489-6965



CABOT-EPA 006795



ANALYTICAL & ENVIRONMENTAL LABORATORIES, INC.

March 26, 2010

James Pinta URS Corporation Foster Plaza 4 501 Holiday Drive, Suite 300 Pittsburgh, PA 15220 Date Sampled:

23-Mar-10

Time Sampled: Date Received:

14:15 23-Mar-10

Sampled by:

James Pintal URS

0

PARAMETER	RESULT	UNITS	METHOD	ANALYZED
рH	10.44 H	pH units	SM ₂₀ 4500 H ⁺ B	23-Mar-10
TSS	1745	mg/L	SM ₂₀ 2540 D	25-Mar-10
TDS	1333	mg/L	SM ₂₀ 2540 C	25-Mar-10
Sulfide	< 20	mg/L	EPA 376.2	26-Mar-10
MBAS	< 0.400	mg/L	SM ₂₀ 5540 C	25-Mar-10
Chloride	302	mg/L	ASTM D512-89(99)C	26-Mar-10
Total Coliform	10000	cfu/ 100 ml	SM ₂₀ 9222 B	23-Mar-10
Fecal Coliform	6400	cfu/ 100 ml	SM ₂₀ 9222 D	23-Mar-10
				19:00

H sample received and analyzed out of EPA prescribed hold time.

Joe R. Mussari, III Laboratory Director

DICKSON CITY INDUSTRIAL PARK 824 ENTERPRISE STREET DICKSON CITY, PA 18519-1593

PHONE: (570) 489-6964

FAX: (570) 489-6965



CABOT-EPA 006796



March 26, 2010

James Pinta URS Corporation Foster Plaza 4 501 Holiday Drive, Suite 300 Pittsburgh, PA 15220 Date Sampled:

23-Mar-10

Time Sampled: Date Received: 14:25 23-Mar-10

Sampled by:

James Pinta/ URS

Matrix:

Solid

02

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	ANALYZED
Aluminum	13000	52.6	mg/Kg	EPA 6010B	26-Mar-10
Antimony	2.7	2.6	mg/Kg	EPA 6010B	26-Mar-10
Arsenic	12.3	2.6	mg/Kg	EPA 6010B	26-Mar-10
Barium	1590	10.5	mg/Kg	EPA 6010B	26-Mar-10
Beryllium	< 1.1	1.1	mg/Kg	EPA 6010B	26-Mar-10
Boron	< 26.3	26.3	mg/Kg	EPA 6010B	26-Mar-10
Cadmium	< 1.1	1.1	mg/Kg	EPA 6010B	26-Mar-10
Calcium	22000	1050	mg/Kg	EPA 6010B	26-Mar-10
Chromium	22.9	2.6	mg/Kg	EPA 6010B	26-Mar-10
Cobalt	9.1	5.3	mg/Kg	EPA 6010B	26-Mar-10
Copper	47.6	5.3	mg/Kg	EPA 6010B	26-Mar-10
Iron	23300	52.6	mg/Kg	EPA 6010B	26-Mar-10
Lead	95.7	2.6	mg/Kg	EPA 6010B	26-Mar-10
Magnesium	5700	263	mg/Kg	EPA 6010B	26-Mar-10
Manganese	516	5.3	mg/Kg	EPA 6010B	26-Mar-10
Mercury	0.12	0.095	mg/Kg	EPA 7471	26-Mar-10
Molybdenum	< 10.5	10.5	mg/Kg	EPA 6010B	26-Mar-10
Nickel	35.9	10.5	mg/Kg	EPA 6010B	26-Mar-10
Potassium	3210	263	mg/Kg	EPA 6010B	26-Mar-10
Selenium	< 2.6	2.6	mg/Kg	EPA 6010B	26-Mar-10
Silver	< 1.1	1.1	mg/Kg	EPA 6010B	26-Mar-10
Sodium	< 2630	2630	mg/Kg	EPA 6010B	26-Mar-10
Thallium	< 10.5	10.5	mg/Kg	EPA 6010B	26-Mar-10
Vanadium	27.9	5.3	mg/Kg	EPA 6010B	26-Mar-10
Zinc	108	5.3	mg/Kg	EPA 6010B	26-Mar-10

DICKSON CITY INDUSTRIAL PARK 824 ENTERPRISE STREET

DICKSON CITY, PA 18519-1593

PHONE: (570) 489-6964

FAX: (570) 489-6965

Joe R. Mussari, III

Laboratory Director



CABOT-EPA 006797



March 26, 2010

James Pinta URS Corporation Foster Plaza 4 501 Holiday Drive, Suite 300 Pittsburgh, PA 15220 Date Sampled: Time Sampled: 23-Mar-10 14:25

Date Received: Sampled by.

23-Mar-10 James Pinta/ URS

Matrix:

Solid

0.2

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	ANALYZED
Acetone	2.80	0.891	mg/Kg	EPA 8260B	25-Mar-10
Benzene	< 0.003	0.003	mg/Kg	EPA 8260B	25-Mar-10
Bromodichloromethane	< 0.003	0.003	mg/Kg	EPA 8260B	25-Mar-10
Bromoform	< 0.003	0.003	mg/Kg	EPA 8260B	25-Mar-10
Bromomethane	< 0.003	0.003	mg/Kg	EPA 8260B	25-Mar-10
2-Butanone	< 0.007	0.007	mg/Kg	EPA 8260B	25-Mar-10
Carbon Disulfide	0.007	0.003	mg/Kg	EPA 8260B	25-Mar-10
Carbon Tetrachloride	< 0.003	0.003	mg/Kg	EPA 8260B	25-Mar-10
Chlorobenzene	< 0.003	0.003	mg/Kg	EPA 8260B	25-Mar-10
Chloroethane	< 0.003	0.003	mg/Kg	EPA 8260B	25-Mar-10
Chloroform	< 0.003	0 003	mg/Kg	EPA 8260B	25-Mar-10
Chloromethane	< 0.003	0.003	mg/Kg	EPA 8260B	25-Mar-10
Dibromochloromethane	< 0.003	0.003	mg/Kg	EPA 8260B	25-Mar-10
1.1-Dichloroethane	< 0.003	0 003	mg/Kg	EPA 8260B	25-Mar-10
1.2-Dichloroethane	< 0.003	0.003	mg/Kg	EPA 8260B	25-Mar-10
1.1-Dichloroethene	< 0.003	0.003	mg/Kg	EPA 8260B	25-Mar-10
cis-1,2-Dichloroethene	< 0.003	0.003	mg/Kg	EPA 8260B	25-Mar-10
trans-1,2-Dichloroethene	< 0.003	0 003	mg/Kg	EPA 8260B	25-Mar-10
1,2-Dichforopropane	< 0.003	0.003	mg/Kg	EPA 8260B	25-Mar-10
cis-1,3-Dichloropropene	< 0.003	0.003	mg/Kg	EPA 8260B	25-Mar-10
trans-1,3-Dichloropropene	< 0.003	0 003	mg/Kg	EPA 8260B	25-Mar-10
Ethylbenzene	< 0.003	0.003	mg/Kg	EPA 8260B	25-Mar-10
2-Hexanone	< 0.007	0.007	mg/Kg	EPA 8260B	25-Mar-10
4-Mothyl-2-pentanone	< 0.007	0 007	mg/Kg	EPA 8260B	25-Mar-10
Styrene	< 0.003	0.003	mg/Kg	EPA 8260B	25-Mar-10
1,1,2,2-Tetrachloroethane	< 0.003	0.003	mg/Kg	EPA 8260B	25-Mar-10
Tetrachloroethene	< 0.003	0.003	mg/Kg	EPA 8260B	25-Mar-10
Toluene	< 0.003	0.003	mg/Kg	EPA 8260B	25-Mar-10
1.1:1-Trichloroethane	< 0.003	0 003	mg/Kg	EPA 8260B	25-Mar-10
1.1.2-Trichloroethane	< 0.003	0.003	mg/Kg	EPA 8260B	25-Mar-10
Trichloroethene	< 0.003	0.003	mg/Kg	EPA 8260B	25-Mar-10
Vinyl Chloride	< 0.003	0.003	mg/Kg	EPA 8260B	25-Mar-10
m.p.Xylanos	< 0.007	0.007	mg/Kg	EPA 8260B	25-Mar-10
o-Xylene	< 0 003	0.003	mg/Kg	EPA 8260B	25-Mar-10
n-Butylbenzene	< 0.003	0 003	mg/Kg	EPA 8260B	25-Mar-10
sec-Butylbenzene	< 0.003	0 003	mg/Kg	EPA 8260B	25-Mar-10
Isopropylbenzene	< 0.003	0.003	mg/Kg	EPA 8260B	25-Mar-10
n-Propylbenzeno	< 0.003	0 003	mg/Kg	EPA 8260B	25-Mar-10
p-Isopropyltoluene	0.003	0 003	mg/Kg	EPA 8260B	25-Mar-10

Results reported on a "wet-weight" basis

DICKSON CITY INDUSTRIAL PARK 824 ENTERPRISE STREET DICKSON CITY, PA 18519-1593

PHONE: (570) 489-6964

FAX: (570) 489-6965



CABOT-EPA 006798



March 26, 2010

James Pinta **URS** Corporation Foster Plaza 4 501 Holiday Drive, Suite 300 Pittsburgh, PA 15220

Date Sampled:

23-Mar-10

Time Sampled:

14:25

Date Received:

23-Mar-10

Sampled by:

James Pinta/ URS

PARAMETER	RESULT	UNITS	METHOD	ANALYZED
ASTM				
Sulfide	< 25	mg/L	EPA 376.2	26-Mar-10
MBAS	< 0.400	mg/L	SM ₂₀ 5540 C	25-Mar-10
Chloride	13.9	mg/L	ASTM D512-89(99)C	26-Mar-10

Joe R. Mussari, III Laboratory Director

DICKSON CITY INDUSTRIAL PARK 824 ENTERPRISE STREET DICKSON CITY, PA 18519-1593

PHONE: (570) 489-6964

FAX: (570) 489-6965



CABOT-EPA 006799



March 26, 2010

James Pinta URS Corporation Foster Plaza 4 501 Holiday Drive, Suite 300 Pittsburgh, PA 15220 Date Sampled:

23-Mar-10

Time Sampled: Date Received:

14:50 23-Mar-10

Sampled by:

James Pinta/ URS

Matrix:

Waste Water

03

PARAMETER	RESULT		UNITS	METHOD	ANALYZED	
		REPORTING	LIMIT			<u></u>
Aluminum, total	0.46	0.05	mg/L	EPA 200.7	26-Mar-10	
	< 0.0050	0.0050	•	EPA 200.7 EPA 200.7	26-Mar-10	
Antimony, total	< 0.0050	0.0050	mg/L	EPA 200.7	26-Mar-10	
Arsenic, total			mg/L			
Barium, total	0.76	0.010	mg/L	EPA 200.7	26-Mar-10	
Beryllium, total	< 0.0010	0.0010	mg/L	EPA 200.7	26-Mar-10	
Boron, total	< 0.050	0.050	mg/ L	EPA 200.7	26-Mar-10	
Cadmium, total	< 0.0010	0.0010	mg/ L	EPA 200.7	26-Mar-10	
Calcium, total	37.1	1.0	mg/ L	EPA 200.7	26-Mar-10	
Chromium, total	< 0.0050	0.0050	mg/L	EPA 200.7	26-Mar-10	
Cobalt, total	< 0.0050	0.0050	mg/L	EPA 200.7	26-Mar-10	
Copper, total	< 0.0050	0.0050	mg/L	EPA 200.7	26-Mar-10	
Iron, total	0.28	0.050	mg/L	-EPA 200.7	26-Mar-10	
Lead, total	0.0044	0.0020	mg/L	EPA 200.7	26-Mar-10	
Magnesium, total	4.9	0.20	mg/L	EPA 200.7	26-Mar-10	
Manganese, total	0.0063	0.0050	mg/L	EPA 200.7	26-Mar-10	
Mercury, total	< 0.00020	0.00020	mg/L	EPA 245.2	26-Mar-10	
Molybdenum, total	< 0.020	0.020	mg/L	EPA 200.7	26-Mar-10	
Nickel, total	< 0.010	0.010	mg/L	EPA 200.7	26-Mar-10	
Potassium, total	2.3	0.50	mg/L	EPA 200.7	26-Mar-10	
Selenium, total	< 0.0050	0.0050	mg/L	EPA 200.7	26-Mar-10	
Silver, total	0.0021	0.0010	mg/L	EPA 200.7	26-Mar-10	
Sodium, total	109	1.0	mg/L	EPA 200.7	26-Mar-10	
Thallium, total	< 0.010	0.010	mg/L	EPA 200.7	26-Mar-10	
Vanadium, total	< 0.0050	0.0050	mg/L	EPA 200.7	26-Mar-10	
Zinc, total	< 0.010	0.010	mg/L	EPA 200.7	26-Mar-10	

Joe-R. Mussari, III Laboratory Director

DICKSON CITY INDUSTRIAL PARK 824 ENTERPRISE STREET DICKSON CITY, PA 18519-1593

PHONE: (570) 489-6964

FAX: (570) 489-6965



CABOT-EPA 006800

ANALYTICAL & ENVIRONMENTAL LABORATORIES, INC.

March 26, 2010

James Pinta URS Corporation Foster Plaza 4 501 Holiday Drive, Suite 300 Pittsburgh, PA 15220 Date Sampled:

23-Mar-10

Time Sampled: Date Received: 14:50 23-Mar-10

Sampled by:

James Pinta/ URS

Matrix:

Waste Water

-03

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	ANALYZED
Aluminum, dissolved	0.089	0.05	mg/L	EPA 200.7	26-Mar-10
Antimony, dissolved	< 0.0050	0.0050	mg/L	EPA 200.7	26-Mar-10
Arsenic, dissolved	< 0.0050	0.0050	mg/L	EPA 200.7	26-Mar-10
Barium, dissolved	0.65	0.010	mg/L	EPA 200.7	26-Mar-10
Bervilium, dissolved	< 0.0010	0.0010	mg/L	EPA 200.7	26-Mar-10
Boron, dissolved	< 0.050	0.050	mg/L	EPA 200.7	26-Mar-10
Cadmium, dissolved	< 0.0010	0.0010	mg/L	EPA 200.7	26-Mar-10
Calcium, dissolved	11.7	1.0	mg/L	EPA 200.7	26-Mar-10
Chromium, dissolved	< 0.0050	0.0050	mg/L	EPA 200.7	26-Mar-10
Cobalt. dissolved	< 0.0050	0.0050	mg/L	EPA 200.7	26-Mar-10
Copper, dissolved	< 0.0050	0.0050	mg/L	EPA 200.7	26-Mar-10
Iron, dissolved	0.068	0.050	mg/L	EPA 200.7	26-Mar-10
Lead, dissolved	< 0.0020	0.0020	mg/L	EPA 200.7	26-Mar-10
Magnesium, dissolved	1.6	0.20	mg/L	EPA 200.7	26-Mar-10
Manganese, dissolved	0.0054	0.0050	mg/L	EPA 200.7	26-Mar-10
Mercury, dissolved	< 0.00020	0.00020	mg/L	EPA 245.2	26-Mar-10
Molybdenum, dissolved	< 0.020	0.020	mg/L	EPA 200.7	26-Mar-10
Nickel, dissolved	< 0.010	0.010	mg/L	EPA 200.7	26-Mar-10
Potassium, dissolved	0.84	0.50	mg/L	EPA 200.7	26-Mar-10
Selenium, dissolved	< 0.0050	0.0050	mg/L	EPA 200.7	26-Mar-10
Silver, dissolved	< 0.0010	0.0010	mg/L	EPA 200.7	26-Mar-10
Sodium, dissolved	35.4	1.0	mg/L	EPA 200.7	26-Mar-10
Thallium, dissolved	< 0.010	0.010	mg/L	EPA 200.7	26-Mar-10
Vanadium, dissolved	< 0.0050	0.0050	mg/L	EPA 200.7	26-Mar-10
Zinc, dissolved	< 0.010	0.010	mg/L	EPA 200.7	26-Mar-10

Joe R. Mussari, III
Laboratory Director

DICKSON CITY INDUSTRIAL PARK 824 ENTERPRISE STREET DICKSON CITY, PA 18519-1593

PHONE: (570) 489-6964

FAX: (570) 489-6965



CABOT-EPA 006801

DIM0227454

ANALYTICAL & ENVIRONMENTAL LABORATORIES, INC.

March 26, 2010

James Pinta URS Corporation Foster Plaza 4 501 Holiday Drive, Suite 300 Pittsburgh, PA 15220 Date Sampled: Time Sampled: Date Received. Sampled by: 23-Mar-10 14:50 23-Mar-10 James Pinta/ URS

Matrix:

Waste Water

03

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	ANALYZED
Acetone	< 0.010	0.010	mg/L	EPA 8260B	25-Mar-10
Bonzone	< 0.005	0 005	mg/L	EPA 8260B	25-Mar-10
Bromodichloromethane	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
Bromoform	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
Bromomethano	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
2-Butanone	< 0.010	0.010	mg/L	EPA 8260B	25-Mar-10
Cerbon Disulfide	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
Carbon Tetrachionde	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
Chlorobenzene	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
Chloroethane	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
Chloroform	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
Chloromethane	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
Dibromochloromethane	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
1,1-Dichloroethane	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
1,2-Dichloroethane	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
1,1-Dichloroethene	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
cis-1,2-Dichloroethene	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
Irans-1,2-Dichloroethene	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
1.2-Dichloropropane	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
cis-1,3-Dichloropropene	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
trans-1,3-Dichloropropene	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
Ethylbenzene	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
2-Hexanone	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
4-Mothyl-2-pontanone	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
Styrene	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
1,1,2,2-Tetrachloroethane	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
Tetrachloroethene	< 0 005	0.005	mg/L	EPA 8260B	25-Mar-10
Toluene	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
1,1,1-Trichloroethane	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
1.1.2-Trichloroethane	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
Trichloroethene	< 0.005	0,005	mg/L	EPA 8260B	25-Mar-10
Vinyl Chlonde	< 0.002	0.002	mg/L	EPA 8260B	25-Mar-10
m,p-Xylenes	< 0.010	0.010	mg/L	EPA 8260B	25-Mar-10
o-Xylene	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
n-Butylbenzone	< 0.005	0 005	mg/L	EPA 8260B	25-Mar-10
sec-Butylbenzene	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
sopropylbenzene	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
n-Propylbenzene	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
p-isopropyltoluene	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10

DICKSON CITY INDUSTRIAL PARK 824 ENTERPRISE STREET DICKSON CITY, PA 18519-1593

PHONE: (570) 489-6964

FAX: (570) 489-6965



CABOT-EPA 006802



March 26, 2010

James Pinta URS Corporation Foster Plaza 4 501 Holiday Drive, Suite 300 Pittsburgh, PA 15220 Date Sampled: Time Sampled: Date Received: 23-Mar-10 14:50 23-Mar-10

Sampled by:

James Pintal URS

03

PARAMETER	RESULT	UNITS	METHOD	ANALYZED
pН	6.85 H	pH units	SM₂₀ 4500 H ⁺ B	23-Mar-10
TSS	25.0	mg/L	SM ₂₀ 2540 D	25-Mar-10
TDS	410	mg/L	SM ₂₀ 2540 C	25-Mar-10
Sulfide	< 1	mg/L	EPA 376.2	26-Mar-10
MBAS	< 0.040	mg/L	SM ₂₀ 5540 C	25-Mar-10
Chloride	188	mg/L	ASTM D512-89(99)C	26-Mar-10
Total Coliform	TNTC	cfu/ 100 ml	SM ₂₀ 9222 B	23-Mar-10
Fecal Coliform	80	cfu/ 100 ml	SM ₂₀ 9222 D	23-Mar-10
				19:00

H sample received and analyzed out of EPA prescribed hold time. TNTC Too Numerous To Count

Joe R. Mussari, III Laboratory Director

DICKSON CITY INDUSTRIAL PARK 824 ENTERPRISE STREET DICKSON CITY, PA 18519-1593

PHONE: (570) 489-6964

FAX: (570) 489-6965



CABOT-EPA 006803

DIM0227454

ANALYTICAL & ENVIRONMENTAL LABORATORIES, INC.

March 26, 2010

James Pinta URS Corporation Foster Plaza 4 501 Holiday Drive, Suite 300 Pittsburgh, PA 15220 Date Sampled: Time Sampled:

23-Mar-10 15:15 23-Mar-10

Date Received: Sampled by:

James Pinta/ URS

Matrix:

Waste Water

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	ANALYZED
Aluminum, total	0.14	0.05	mg/L	EPA 200.7	26-Mar-10
Antimony, total	< 0.0050	0.0050	mg/L	EPA 200.7	26-Mar-10
Arsenic, total	< 0.0050	0.0050	mg/L	EPA 200.7	26-Mar-10
Barium, total	0.12	0.010	mg/L	EPA 200.7	26-Mar-10
Beryllium, total	< 0.0010	0.0010	mg/L	EPA 200.7	26-Mar-10
Boron, total	< 0.050	0.050	mg/L	EPA 200.7	26-Mar-10
Cadmium, total	< 0.0010	0.0010	mg/L	EPA 200.7	26-Mar-10
Calcium, total	18.2	1.0	mg/L	EPA 200.7	26-Mar-10
Chromium, total	< 0.0050	0.0050	mg/L	EPA 200.7	26-Mar-10
Cobalt, total	< 0.0050	0.0050	mg/L	EPA 200.7	26-Mar-10
Copper, total	< 0.0050	0.0050	mg/L	EPA 200.7	26-Mar-10
Iron, total	0.11	0.050	mg/L	EPA 200.7	26-Mar-10
Lead, total	< 0.0020	0.0020	mg/L	EPA 200.7	26-Mar-10
Magnesium, total	3.6	0.20	mg/L	EPA 200.7	26-Mar-10
Manganese, total	< 0.0050	0.0050	mg/L	EPA 200.7	26-Mar-10
Mercury, total	< 0.00020	0.00020	mg/L	EPA 245.2	26-Mar-10
Molybdenum, total	< 0.020	0.020	mg/L	EPA 200.7	26-Mar-10
Nickel, total	< 0.010	0.010	mg/L	EPA 200.7	26-Mar-10
Potassium, total	2.1	0.50	mg/L	EPA 200.7	26-Mar-10
Selenium, total	< 0.0050	0.0050	mg/L	EPA 200.7	26-Mar-10
Silver, total	< 0.0010	0.0010	mg/L	EPA 200.7	26-Mar-10
Sodium, total	36.0	1.0	mg/L	EPA 200.7	26-Mar-10
Thallium, total	< 0.010	0.010	mg/L	EPA 200.7	26-Mar-10
Vanadium, total	< 0.0050	0.0050	mg/L	EPA 200.7	26-Mar-10
Zinc, total	< 0 010	0.010	mg/L	EPA 200.7	26-Mar-10

Joe R. Mussari, III
Laboratory Director

DICKSON CITY INDUSTRIAL PARK 824 ENTERPRISE STREET DICKSON CITY, PA 18519-1593

PHONE: (570) 489-6964

FAX: (570) 489-6965



CABOT-EPA 006804



March 26, 2010

James Pinta URS Corporation Foster Plaza 4 501 Holiday Drive, Suite 300 Pittsburgh, PA 15220 Date Sampled: Time Sampled: 23-Mar-10 15:15 23-Mar-10

Date Received: Sampled by:

James Pinta/ URS

Matrix:

Waste Water

04				04
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PARAMETER	RESULT		UNITS	METHOD	ANALYZED	
		REPORTING	LIMIT			
Aluminum, dissolved	< 0.05	0.05	mg/L	EPA 200.7	26-Mar-10	
Antimony, dissolved	< 0.0050	0.0050	mg/L	EPA 200.7	26-Mar-10	
Arsenic, dissolved	< 0.0050	0.0050	mg/ L	EPA 200.7	26-Mar-10	
Barium, dissolved	0.11	0.010	mg/L	EPA 200.7	26-Mar-10	
Beryllium, dissolved	< 0.0010	0.0010	mg/L	EPA 200.7	26-Mar-10	
Boron, dissolved	< 0.050	0.050	mg/L	EPA 200.7	26-Mar-10	
Cadmium, dissolved	< 0.0010	0.0010	mg/L	EPA 200.7	26-Mar-10	
Calcium, dissolved	18.7	1.0	mg/L	EPA 200.7	26-Mar-10	
Chromium, dissolved	< 0.0050	0.0050	mg/L	EPA 200.7	26-Mar-10	
Cobalt, dissolved	< 0.0050	0.0050	mg/L	EPA 200.7	26-Mar-10	
Copper, dissolved	< 0.0050	0.0050	mg/L	EPA 200.7	26-Mar-10	
Iron, dissolved	< 0.050	0.050	mg/L	EPA 200.7	26-Mar-10	
Lead, dissolved	< 0.0020	0.0020	mg/L	EPA 200.7	26-Mar-10	
Magnesium, dissolved	3.6	0.20	mg/L	EPA 200.7	26-Mar-10	
Manganese, dissolved	< 0.0050	0.0050	mg/L	EPA 200.7	26-Mar-10	
Mercury, dissolved	< 0.00020	0.00020	mg/L	EPA 245.2	26-Mar-10	
Molybdenum, dissolved	< 0.020	0.020	mg/L	EPA 200.7	26-Mar-10	
Nickel, dissolved	< 0.010	0.010	mg/L	EPA 200.7	26-Mar-10	
Potassium, dissolved	1.9	0.50	mg/L	EPA 200.7	26-Mar-10	
Setenium, dissolved	< 0.0050	0.0050	mg/L	EPA 200.7	26-Mar-10	
Silver, dissolved	< 0.0010	0.0010	mg/L	EPA 200.7	26-Mar-10	
Sodium, dissolved	36.0	1.0	mg/L	EPA 200.7	26-Mar-10	
Thallium, dissolved	< 0.010	0.010	mg/L	EPA 200.7	26-Mar-10	
Vanadium, dissolved	< 0.0050	0.0050	mg/L	EPA 200.7	26-Mar-10	
Zinc, dissolved	< 0.010	0.010	mg/L	EPA 200.7	26-Mar-10	

Joe R. Mussari, III

Laboratory Director

DICKSON CITY INDUSTRIAL PARK 824 ENTERPRISE STREET DICKSON CITY, PA 18519-1593

PHONE: (570) 489-6964

FAX: (570) 489-6965



CABOT-EPA 006805



March 26, 2010

James Pinta URS Corporation Foster Plaza 4 501 Holiday Drive, Suite 300 Pittsburgh, PA 15220 Date Sampled Time Sampled: Date Received: Sampled by:

23-Mar-10 15:15 23-Mar-10 James Pinta/ URS

Matrix.

Waste Water



PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	ANALYZED	
Acetone	< 0.010	0.010	mg/L	EPA 8260B	25-Mar-10	
Benzene	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10	
Bromodichloromethane	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10	
Bromoform	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10	
Bromomethane	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10	
2-Butanone	< 0.010	0.010	mg/L	EPA 8260B	25-Mar-10	
Carbon Disulfide	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10	
Carbon Tetrachlonde	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10	
Chlorobenzene	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10	
Chloroethane	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10	
Chloroform	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10	
Chloromethane	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10	
Dibromochloromethane	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10	
1,1-Dichloroethane	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10	
1.2-Dichloroethane	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10	
1,1-Dichloroethene	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10	
cis-1,2-Dichloroethene	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10	
trans-1.2-Dichloroethene	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10	
1,2-Dichloropropane	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10	
cis-1,3-Dichloropropene	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10	
trans-1,3-Dichloropropene	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10	
Ethylbenzene	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10	
2-Hexanone	< 0.005	0 005	mg/L	EPA 8260B	25-Mar-10	
4-Methyl-2-pentanone	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10	
Styrene	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10	
1,1,2,2-Tetrachloroethane	< 0.005	0 005	mg/L	EPA 8260B	25-Mar-10	
Tetrachloroethene	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10	
Toluene	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10	
1.1.1-Trichlomethane	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10	
1.1.2-Trichloroethane	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10	
Trichloroethene	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10	
Vinyl Chloride	< 0.002	0.002	mg/L	EPA 8260B	25-Mar-10	
m.p-Xylenes	< 0.010	0.010	mg/L	EPA 8260B	25-Mar-10	
o-Xylene	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10	
n-Butylbenzene	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10	
sec-Bulylbonzene	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10	
Isopropylbenzene	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10	
n-Propylbenzene	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10	
p-Isopropyltoluene	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10	

DICKSON CITY INDUSTRIAL PARK 824 ENTERPRISE STREET DICKSON CITY, PA 18519-1593

PHONE: (570) 489-6964

FAX: (570) 489-6965



CABOT-EPA 006806



March 26, 2010

James Pinta URS Corporation Foster Plaza 4 501 Holiday Drive, Suite 300 Pittsburgh, PA 15220 Date Sampled: Time Sampled:

23-Mar-10 15:15

Date Received: Sampled by:

23-Mar-10 James Pinta/ URS

PARAMETER	RESULT	UNITS	METHOD	ANALYZED
рН	6.17 H	pH units	SM₂₀ 4500 H ⁺ B	23-Mar-10
TSS	3.0	mg/L	SM ₂₀ 2540 D	25-Mar-10
TDS	147	mg/L	SM ₂₀ 2540 C	25-Mar-10
Sulfide	< 1	mg/L	EPA 376.2	26-Mar-10
MBAS	0.024	mg/L	SM ₂₀ 5540 C	25-Mar-10
Chloride	78.8	mg/L	ASTM D512-89(99)C	26-Mar-10
Total Coliform	48	cfu/ 100 ml	SM ₂₀ 9222 B	23-Mar-10
Fecal Coliform	8	cfu/ 100 ml	SM ₂₀ 9222 D	23-Mar-10
				19:00

H sample received and analyzed out of EPA prescribed hold time.

Joe R. Mussari, III Laboratory Director

DICKSON CITY INDUSTRIAL PARK 824 ENTERPRISE STREET DICKSON CITY, PA 18519-1593

PHONE: (570) 489-6964

FAX: (570) 489-6965



CABOT-EPA 006807

ANALYTICAL & ENVIRONMENTAL LABORATORIES, INC.

March 26, 2010

James Pinta URS Corporation Foster Plaza 4 501 Holiday Drive, Suite 300 Pittsburgh, PA 15220 Date Sampled:

23-Mar-10

Time Sampled: Date Received: 15:40 23-Mar-10

Sampled by:

James Pinta/ URS

Matrix:

Waste Water

PARAMETER	RESULT		UNITS	METHOD	ANALYZED
	· · · · · · · · · · · · · · · · · · ·	REPORTING	LIMIT		
Aluminum, total	< 0.05	0.05	mg/L	EPA 200.7	26-Mar-10
Antimony, total	< 0.0050	0.0050	mg/L	EPA 200.7	26-Mar-10
Arsenic, total	< 0.0050	0.0050	mg/L	EPA 200.7	26-Mar-10
Barium, total	0.085	0.000	mg/L	EPA 200.7	26-Mar-10
Beryllium, total	< 0.0010	0.0010	mg/L	EPA 200.7	26-Mar-10
Boron, total	< 0.050	0.050	mg/L	EPA 200.7	26-Mar-10
Cadmium, total	< 0.0010	0.0010	mg/L	EPA 200.7	26-Mar-10
Calcium, total	28.4	1.0	mg/L	EPA 200.7	26-Mar-10
Chromium, total	< 0.0050	0.0050	mg/L	EPA 200.7	26-Mar-10
Cobalt. total	< 0.0050	0.0050	mg/L	EPA 200.7	26-Mar-10
Copper, total	0.50	0.0050	mg/L	EPA 200.7	26-Mar-10
iron, total	< 0.050	0.050	mg/L	EPA 200.7	26-Mar-10
Lead, total	< 0.0020	0.0020	mg/L	EPA 200.7	26-Mar-10
Magnesium, total	7.5	0.20	mg/L	EPA 200.7	26-Mar-10
Manganese, total	< 0.0050	0.0050	mg/L	EPA 200.7	26-Mar-10
Mercury, total	< 0.00020	0.00020	mg/L	EPA 245.2	26-Mar-10
Molybdenum, total	< 0.020	0.020	mg/L	EPA 200.7	26-Mar-10
Nickel, total	< 0.010	0.010	mg/L	EPA 200.7	26-Mar-10
Potassium, total	1.3	0.50	mg/L	EPA 200.7	26-Mar-10
Selenium, total	< 0.0050	0.0050	mg/L	EPA 200.7	26-Mar-10
Silver, total	< 0.0010	0.0010	mg/L	EPA 200.7	26-Mar-10
Sodium, total	17.8	1.0	mg/L	EPA 200.7	26-Mar-10
Thallium, total	< 0.010	0.010	mg/L	EPA 200.7	26-Mar-10
Vanadium, total	< 0.0050	0.0050	mg/L	EPA 200.7	26-Mar-10
Zinc, total	0.089	0.010	mg/L	EPA 200.7	26-Mar-10

Joe R. Mussari, III Laboratory Director

DICKSON CITY INDUSTRIAL PARK 824 ENTERPRISE STREET DICKSON CITY, PA 18519-1593

PHONE: (570) 489-6964

FAX: (570) 489-6965



CABOT-EPA 006808



March 26, 2010

James Pinta URS Corporation Foster Plaza 4 501 Holiday Drive, Suite 300 Pittsburgh, PA 15220 Date Sampled:

23-Mar-10

Time Sampled: Date Received:

15:40 23-Mar-10

Sampled by:

James Pinta/ URS

Matrix:

Waste Water

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	ANALYZED
Aluminum, dissolved	< 0.05	0.05	mg/L	EPA 200.7	26-Mar-10
Antimony, dissolved	< 0.0050	0.0050	mg/L	EPA 200.7	26-Mar-10
Arsenic, dissolved	< 0.0050	0.0050	mg/L	EPA 200.7	26-Mar-10
Barium, dissolved	0.081	0.010	mg/L	EPA 200.7	26-Mar-10
Beryllium, dissolved	< 0.0010	0.0010	mg/L	EPA 200.7	26-Mar-10
Boron, dissolved	< 0.050	0.050	mg/L	EPA 200.7	26-Mar-10
Cadmium, dissolved	< 0.0010	0.0010	mg/L	EPA 200.7	26-Mar-10
Calcium, dissolved	27.8	1.0	mg/L	EPA 200.7	26-Mar-10
Chromium, dissolved	< 0.0050	0.0050	mg/L	EPA 200.7	26-Mar-10
Cobalt, dissolved	< 0.0050	0.0050	mg/L	EPA 200.7	26-Mar-10
Copper, dissolved	0.53	0.0050	mg/L	EPA 200.7	
Iron, dissolved	< 0.050	0.050	mg/L	EPA 200.7	26-Mar-10
Lead, dissolved	< 0.0020	0.0020	mg/L	EPA 200.7	26-Mar-10
Magnesium, dissolved	7.3	0.20	mg/L	EPA 200.7	26-Mar-10
Manganese, dissolved	< 0.0050	0.0050	mg/L	EPA 200.7	26-Mar-10
Mercury, dissolved	< 0.00020	0.00020	mg/L	EPA 245.2	26-Mar-10
Molybdenum, dissolved	< 0.020	0.020	mg/L	EPA 200.7	26-Mar-10
Nickel, dissolved	< 0.010	0.010	mg/L	EPA 200.7	26-Mar-10
Potassium, dissolved	1.2	0.50	mg/L	EPA 200.7	26-Mar-10
Selenium, dissolved	< 0.0050	0.0050	mg/L	EPA 200.7	26-Mar-10
Silver, dissolved	< 0.0010	0.0010	mg/L	EPA 200.7	26-Mar-10
Sodium, dissolved	16.6	1.0	mg/L	EPA 200.7	26-Mar-10
Thallium, dissolved	< 0.010	0.010	mg/L	EPA 200.7	26-Mar-10
Vanadium, dissolved	< 0.0050	0.0050	mg/L	EPA 200.7	26-Mar-10
Zinc, dissolved	0.017	0.010	mg/L	EPA 200.7	26-Mar-10

Joe R. Mussari, III

Laboratory Director

DICKSON CITY INDUSTRIAL PARK 824 ENTERPRISE STREET DICKSON CITY, PA 18519-1593

PHONE: (570) 489-6964

FAX: (570) 489-6965



CABOT-EPA 006809

ANALYTICAL & ENVIRONMENTAL LABORATORIES, INC.

March 26, 2010

James Pinta URS Corporation Foster Plaza 4 501 Holiday Drive, Suite 300 Pittsburgh, PA 15220 Date Sampled: Time Sampled: Date Received Sampled by: 23-Mar-10 15:40 23-Mar-10 James Pinta/ URS

Matrix:

Waste Water

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	ANALYZED
Accione	< 0.010	0.010	mg/L	EPA 8260B	25-Mar-10
Benzene	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
Bromodichloromethane	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
Bromoform	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
Bremomethane	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
2-Butanone	< 0.010	0.010	mg/L	EPA 8260B	25-Mar-10
Carbon Disulfide	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
Carbon Tetrachloride	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
Chlorobenzene	< 0.005	0 005	mg/L	EPA 8260B	25-Mar-10
Chloroethane	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
Chloroform	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
Chloromethane	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
Dibromochloromethane	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
1,1-Dichloroethane	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
1.2-Dichloroethane	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
1.1-Dichloroethene	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
cis-1,2-Dichloroethene	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
trans-1,2-Dichloroethene	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
1,2-Dichleropropane	< 0.005	0 005	mg/L	EPA 8260B	25-Mar-10
cis-1,3-Dichloropropene	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
trans-1,3-Dichloropropene	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
Ethylbenzene	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
2-Haxanona	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
4-Methyl-2-pentanone	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
Styrone	< 0.005	0 005	mg/L	EPA 8260B	25-Mar-10
1.1.2.2-Tetrachloroethane	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
Tetrachloroethene	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
Toluene	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
1.1.1-Trichloroethane	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
1.1.2-Trichloroethane	< 0 005	0.005	mg/L	EPA 8260B	25-Mar-10
Trichloroothene	< 0.005	0.005	ma/L	EPA 8260B	25-Mar-10
Vinyl Chloride	< 0.002	0.002	mg/L	EPA 8260B	25-Mar-10
m,p-Xylenos	< 0.010	0.010	mg/L	EPA 8260B	25-Mar-10
o-Xyleno	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
n-Butylbenzene	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
sec-Butylbenzene	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
Isopropylbenzene	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
n-Propylbenzene	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
p-Isopropyltoluene	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10

DICKSON CITY INDUSTRIAL PARK 824 ENTERPRISE STREET DICKSON CITY, PA 18519-1593

PHONE: (570) 489-6964

FAX: (570) 489-6965



CABOT-EPA 006810



March 26, 2010

James Pinta URS Corporation Foster Plaza 4 501 Holiday Drive, Suite 300 Pittsburgh, PA 15220 Date Sampled: Time Sampled:

23-Mar-10 15:40 23-Mar-10

Date Received: Sampled by:

James Pinta/ URS

-05

PARAMETER	RESULT	UNITS	METHOD	ANALYZED
рН	7.41 H	pH units	SM₂₀ 4500 H ⁺ B	23-Mar-10
TSS	< 10.0	mg/L	SM ₂₀ 2540 D	25-Mar-10
TDS	127	mg/L	SM ₂₀ 2540 C	25-Mar-10
Sulfide	< 1	mg/L	EPA 376.2	26-Mar-10
MBAS	< 0.020	mg/L	SM ₂₀ 5540 C	25-Mar-10
Chloride	37.9	mg/L	ASTM D512-89(99)C	26-Mar-10
Total Coliform	< 1	cfu/ 100 ml	SM ₂₀ 9222 B	23-Mar-10
Fecal Coliform	< 1	cfu/ 100 ml	SM ₂₀ 9222 D	23-Mar-10
				19:00

H sample received and analyzed out of EPA prescribed hold time.

Joe R. Mussari, III Laboratory Director

DICKSON CITY INDUSTRIAL PARK 824 ENTERPRISE STREET DICKSON CITY, PA 18519-1593

PHONE: (570) 489-6964

FAX: (570) 489-6965



CABOT-EPA 006811



March 26, 2010

James Pinta URS Corporation Foster Plaza 4 501 Holiday Drive, Suite 300 Pittsburgh, PA 15220 Date Sampled: Time Sampled: 23-Mar-10 15:50 23-Mar-10

Date Received: Sampled by:

James Pinta/ URS

Matrix:

Waste Water



PARAMETER	RESULT		UNITS	METHOD	ANALYZED
		REPORTING L	IMIT		
Aluminum, total	2.2	0.05	mg/L	EPA 200.7	26-Mar-10
Antimony, total	< 0.0050	0.0050	mg/L	EPA 200.7	26-Mar-10
Arsenic, total	0.0067	0.0050	mg/L	EPA 200.7	26-Mar-10
Barium, total	0.18	0.010	mg/L	EPA 200.7	26-Mar-10
Beryllium, total	< 0.0010	0.0010	mg/L	EPA 200.7	26-Mar-10
Boron, total	< 0.050	0.050	mg/L	EPA 200.7	26-Mar-10
Cadmium, total	< 0.0010	0.0010	mg/L	EPA 200.7	26-Mar-10
Calcium, total	28.0	1.0	mg/L	EPA 200.7	26-Mar-10
Chromium, total	< 0.0050	0.0050	mg/L	EPA 200.7	26-Mar-10
Cobalt, total	< 0.0050	0.0050	mg/L	EPA 200.7	26-Mar-10
Copper, total	0.13	0.0050	mg/L	EPA 200.7	26-Mar-10
Iron, total	4.9	0.050	mg/L	EPA 200.7	26-Mar-10
Lead, total	0.0071	0.0020	mg/L	EPA 200.7	26-Mar-10
Magnesium, total	7.9	0.20	mg/L	EPA 200.7	26-Mar-10
Manganese, total	0.11	0.0050	mg/L	EPA 200.7	26-Mar-10
Mercury, total	< 0.00020	0.00020	mg/L	EPA 245.2	26-Mar-10
Molybdenum, total	< 0.020	0.020	mg/L	EPA 200.7	26-Mar-10
Nickel, total	< 0.010	0.010	mg/L	EPA 200.7	26-Mar-10
Potassium, total	2.0	0.50	mg/L	EPA 200.7	26-Mar-10
Selenium, total	< 0.0050	0.0050	mg/L	EPA 200.7	26-Mar-10
Silver, total	< 0.0010	0.0010	mg/L	EPA 200.7	26-Mar-10
Sodium, total	7.5	1.0	mg/L	EPA 200.7	26-Mar-10
Thallium, total	< 0.010	0.010	mg/L	EPA 200.7	26-Mar-10
Vanadium, total	< 0.0050	0.0050	mg/L	EPA 200.7	26-Mar-10
Zinc, total	0.011	0.010	mg/L	EPA 200.7	26-Mar-10

Joe R. Mussari, III Laboratory Director

DICKSON CITY INDUSTRIAL PARK 824 ENTERPRISE STREET DICKSON CITY, PA 18519-1593

PHONE: (570) 489-6964

FAX: (570) 489-6965



CABOT-EPA 006812



March 26, 2010

James Pinta URS Corporation Foster Plaza 4 501 Holiday Drive, Suite 300 Pittsburgh, PA 15220 Date Sampled:

23-Mar-10

Time Sampled:

15:50 23-Mar-10

Date Received: Sampled by:

James Pinta/ URS

Matrix:

Waste Water

PARAMETER	RESULT		UNITS	METHOD	ANALYZED		
		REPORTING LIMIT					
Aluminum, dissolved	< 0.05	0.05	mg/L	EPA 200.7	26-Mar-10		
Antimony, dissolved	< 0.0050	0.0050	mg/L	EPA 200.7	26-Mar-10		
Arsenic, dissolved	< 0.0050	0.0050	mg/L	EPA 200.7	26-Mar-10		
Barium, dissolved	0.097	0.010	mg/L	EPA 200.7	26-Mar-10		
Beryllium, dissolved	< 0.0010	0.0010	mg/L	EPA 200.7	26-Mar-10		
Boron, dissolved	< 0.050	0.050	mg/L	EPA 200.7	26-Mar-10		
Cadmium, dissolved	< 0.0010	0.0010	mg/ L	EPA 200.7	26-Mar-10		
Calcium, dissolved	26.0	1.0	mg/L	EPA 200.7	26-Mar-10		
Chromium, dissolved	< 0.0050	0.0050	mg/L	EPA 200.7	26-Mar-10		
Cobalt, dissolved	< 0.0050	0.0050	mg/ L	EPA 200.7	26-Mar-10		
Copper, dissolved	0.015	0.0050	mg/ L	EPA 200.7	26-Mar-10		
Iron, dissolved	< 0.050	0.050	mg/L	EPA 200.7	26-Mar-10		
Lead, dissolved	< 0.0020	0.0020	mg/L	EPA 200.7	26-Mar-10		
Magnesium, dissolved	7.1	0.20	mg/L	EPA 200.7	26-Mar-10		
Manganese, dissolved	< 0.0050	0.0050	mg/L	EPA 200.7	26-Mar-10		
Mercury, dissolved	< 0.00020	0.00020	mg/L	EPA 245.2	26-Mar-10		
Molybdenum, dissolved	< 0.020	0.020	mg/L	EPA 200.7	26-Mar-10		
Nickel, dissolved	< 0.010	0.010	mg/L	EPA 200.7	26-Mar-10		
Potassium, dissolved	1.3	0.50	mg/L	EPA 200.7	26-Mar-10		
Selenium, dissolved	< 0.0050	0.0050	mg/L	EPA 200.7	26-Mar-10		
Silver, dissolved	< 0.0010	0.0010	mg/L	EPA 200.7	26-Mar-10		
Sodium, dissolved	7.0	1.0	mg/L	EPA 200.7	26-Mar-10		
Thallium, dissolved	< 0.010	0.010	mg/L	EPA 200.7	26-Mar-10		
Vanadium, dissolved	< 0.0050	0.0050	mg/L	EPA 200.7	26-Mar-10		
Zinc, dissolved	< 0.010	0.010	mg/L	EPA 200.7	26-Mar-10		

Joe R. Mussari, Itt

- Laboratory Director

DICKSON CITY INDUSTRIAL PARK 824 ENTERPRISE STREET DICKSON CITY, PA 18519-1593

PHONE: (570) 489-6964

FAX: (570) 489-6965



CABOT-EPA 006813

DIM0227454

ANALYTICAL & ENVIRONMENTAL LABORATORIES, INC.

March 26, 2010

James Pinta URS Corporation Foster Plaza 4 501 Holiday Drive, Suite 300 Pittsburgh, PA 15220 Date Sampled: Time Sampled: Date Received: 23-Mar-10 15:50 23-Mar-10

Sampled by:

Matrix:

James Pinta/ URS

90

Waste Water

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	ANALYZED
Acetone	< 0.010	0.010	mg/L	EPA 8260B	25-Mar-10
Bonzene	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
Bromodichloromethane	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
Bromoform	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
Bromomethane	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
2-Butanone	< 0.010	0.010	mg/L	EPA 8260B	25-Mar-10
Carbon Disulfide	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
Carbon Tetrachlonde	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
Chlorobenzene	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
Chloroethane	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
Chloroform	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
Chloromethane	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
Dibromochloromethane	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
1.1-Dichloroethane	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
1,2-Dichloroethane	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
1.1-Dichloroethene	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
cis-1.2-Dichloroethene	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
trans-1.2-Dichloroethene	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
1,2-Dichloropropane	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
cis-1,3-Dichloropropene	< 0 005	0 005	mg/L	EPA 8260B	25-Mar-10
trans-1,3-Dichloropropene	< 0.005	0 005	mg/L	EPA 8260B	25-Mar-10
Ethylbenzene	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
2-Hexanone	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
4-Methyl-2-pentanone	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
Styrene	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
1.1.2.2-Tetrachloroethane	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
Tetrachloroethene	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
Toluene	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
1,1,1-Trichloroethane	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
1.1.2-Trichloroethane	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
Trichloroethene	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
Vinyl Chlaride	< 0.002	0.002	mg/L	EPA 8260B	25-Mar-10
m,p-Xylones	< 0.010	0.010	mg/L	EPA 8260B	25-Mar-10
o-Xvlene	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
n-Butylbenzene	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
sec-Butylbenzenc	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
Isopropylbenzene	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
n-Propylbonzena	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
p Isapropyltoluene	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10

DICKSON CITY INDUSTRIAL PARK 824 ENTERPRISE STREET DICKSON CITY, PA 18519-1593

PHONE: (570) 489-6964

FAX: (570) 489-6965



CABOT-EPA 006814



March 26, 2010

James Pinta URS Corporation Foster Plaza 4 501 Holiday Drive, Suite 300 Pittsburgh, PA 15220 Date Sampled. Time Sampled: Date Received: 23-Mar-10 15:50 23-Mar-10

Sampled by:

James Pinta/ URS

0

PARAMETER	RESULT	UNITS	METHOD	ANALYZED
pН	7.74 H	pH units	SM₂₀ 4500 H ⁺ B	23-Mar-10
TSS	61.0	mg/L	SM ₂₀ 2540 D	25-Mar-10
TDS	107	mg/L	SM ₂₀ 2540 C	25-Mar-10
Sulfide	< 1	mg/L	EPA 376.2	26-Mar-10
MBAS	< 0.040	mg/L	SM ₂₀ 5540 C	25-Mar-10
Chloride	6.27	mg/L	ASTM D512-89(99)C	26-Mar-10
Total Coliform	< 1	cfu/ 100 ml	SM ₂₀ 9222 B	23-Mar-10
Fecal Coliform	< 1	cfu/ 100 ml	SM ₂₀ 9222 D	23-Mar-10
				19:00

H sample received and analyzed out of EPA prescribed hold time.

Joe R. Mussari, III Laboratory Director

DICKSON CITY INDUSTRIAL PARK 824 ENTERPRISE STREET DICKSON CITY, PA 18519-1593

PHONE: (570) 489-6964

FAX: (570) 489-6965



CABOT-EPA 006815

ANALYTICAL & ENVIRONMENTAL LABORATORIES, INC.

March 26, 2010

James Pinta URS Corporation Foster Plaza 4 501 Holiday Drive, Suite 300 Pittsburgh, PA 15220 Date Sampled: Time Sampled: 23-Mar-10 16:00 23-Mar-10

Date Received: Sampled by:

James Pinta/ URS

Matrix:

Waste Water

0

PARAMETER	RESULT		UNITS	METHOD	ANALYZED
	······································	REPORTING	LIMIT		
Aluminum, dissolved	0.19	0.05	mg/L	EPA 200.7	26-Mar-10
Antimony, dissolved	< 0.0050	0.0050	mg/L	EPA 200.7	26-Mar-10
Arsenic, dissolved	< 0.0050	0.0050	mg/L	EPA 200.7	26-Mar-10
Barium, dissolved	0.33	0.010	mg/L	EPA 200.7	26-Mar-10
Beryllium, dissolved	< 0.0010	0.0010	mg/L	EPA 200.7	26-Mar-10
Boron, dissolved	< 0.050	0.050	mg/L	EPA 200.7	26-Mar-10
Cadmium, dissolved	< 0.0010	0.0010	mg/L	EPA 200.7	26-Mar-10
Calcium, dissolved	13.9	1.0	mg/L	EPA 200.7	26-Mar-10
Chromium, dissolved	< 0.0050	0.0050	mg/L	EPA 200.7	26-Mar-10
Cobalt, dissolved	< 0.0050	0.0050	mg/L	EPA 200.7	26-Mar-10
Copper, dissolved	< 0.0050	0.0050	mg/L	EPA 200.7	26-Mar-10
Iron, dissolved	0.16	0.050	mg/L	EPA 200.7	26-Mar-10
Lead, dissolved	< 0.0020	0.0020	mg/L	EPA 200.7	26-Mar-10
Magnesium, dissolved	2.7	0.20	mg/L	EPA 200.7	26-Mar-10
Manganese, dissolved	0.0069	0.0050	mg/L	EPA 200.7	26-Mar-10
Mercury, dissolved	< 0.00020	0.00020	mg/L	EPA 245.2	26-Mar-10
Molybdenum, dissolved	< 0.020	0.020	mg/L	EPA 200.7	26-Mar-10
Nickel, dissolved	< 0.010	0.010	mg/L	EPA 200.7	26-Mar-10
Potassium, dissolved	2.4	0.50	mg/L	EPA 200.7	26-Mar-10
Selenium, dissolved	< 0.0050	0.0050	mg/L	EPA 200.7	26-Mar-10
Silver, dissolved	< 0.0010	0.0010	mg/L	EPA 200.7	26-Mar-10
Sodium, dissolved	14.7	1.0	mg/L	EPA 200.7	26-Mar-10
Thallium, dissolved	< 0.010	0.010	mg/L	EPA 200.7	26-Mar-10
Vanadium, dissolved	< 0.0050	0.0050	mg/L	EPA 200.7	26-Mar-10
Zinc, dissolved	< 0.010	0.010	mg/L	EPA 200.7	26-Mar-10

Joe R. Mussari, III Laboratory Director

DICKSON CITY INDUSTRIAL PARK 824 ENTERPRISE STREET DICKSON CITY, PA 18519-1593

PHONE: (570) 489-6964

FAX: (570) 489-6965



CABOT-EPA 006816



March 26, 2010

James Pinta URS Corporation Foster Plaza 4 501 Holiday Drive, Suite 300 Pittsburgh, PA 15220 Date Sampled: Time Sampled:

23-Mar-10 16:00

Date Received: Sampled by: 23-Mar-10 James Pinta/ URS

Matrix:

Waste Water

0

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	ANALYZED
44-4-1	2.2	0.05	(1)	FD4 000 7	00 M 40
Aluminum, total	2.3	0.05	mg/L	EPA 200.7	26-Mar-10
Antimony, total	< 0.0050	0.0050	mg/L	EPA 200.7	26-Mar-10
Arsenic, total	< 0.0050	0.0050	mg/L.	EPA 200.7	26-Mar-10
Barium, total	1.1	0.010	mg/L	EPA 200.7	26-Mar-10
Beryllium, total	< 0.0010	0.0010	mg/L	EPA 200.7	26-Mar-10
Boron, total	< 0.050	0.050	mg/L	EPA 200.7	26-Mar-10
Cadmium, total	< 0.0010	0.0010	mg/L	EPA 200.7	26-Mar-10
Calcium, total	14.9	1.0	mg/L	EPA 200.7	26-Mar-10
Chromium, total	< 0.0050	0.0050	mg/L	EPA 200.7	26-Mar-10
Cobalt, total	< 0.0050	0.0050	mg/L	EPA 200.7	26-Mar-10
Copper, total	< 0.0050	0.0050	mg/L	EPA 200.7	26-Mar-10
Iron, total	1.9	0.050	mg/L	EPA 200.7	26-Mar-10
Lead, total	0.0058	0.0020	mg/L	EPA 200.7	26-Mar-10
Magnesium, total	3.1	0.20	mg/L	EPA 200.7	26-Mar-10
Manganese, total	0.032	0.0050	mg/L	EPA 200.7	26-Mar-10
Mercury, total	< 0.00020	0.00020	mg/L	EPA 245.2	26-Mar-10
Molybdenum, total	< 0.020	0.020	mg/L	EPA 200.7	26-Mar-10
Nickel, total	< 0.010	0.010	mg/L	EPA 200.7	26-Mar-10
Potassium, total	3.2	0.50	mg/L	EPA 200.7	26-Mar-10
Selenium, total	< 0.0050	0.0050	mg/L	EPA 200.7	26-Mar-10
Silver, total	< 0.0010	0.0010	mg/L	EPA 200.7	26-Mar-10
Sodium, total	15.1	1.0	mg/L	EPA 200.7	26-Mar-10
Thallium, total	< 0.010	0.010	mg/L	EPA 200.7	26-Mar-10
Vanadium, total	0.0060	0.0050	mg/L	EPA 200.7	26-Mar-10
Zinc, total	< 0.010	0.010	mg/L	EPA 200.7	26-Mar-10

Joe R. Mussari, III Laboratory Director

DICKSON CITY INDUSTRIAL PARK 824 ENTERPRISE STREET DICKSON CITY, PA 18519-1593

PHONE: (570) 489-6964

FAX: (570) 489-6965



DIM0228050

CABOT-EPA 006817

DIM0227454

ANALYTICAL & ENVIRONMENTAL LABORATORIES, INC.

March 26, 2010

James Pinta URS Corporation Foster Plaza 4 501 Holiday Drive, Suite 300 Pittsburgh, PA 15220 Date Sampled: Time Sampled: Date Received: 23-Mar-10 16:00 23-Mar-10

Sampled by:

James Pinta/ URS

Matrix:

Waste Water



PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	ANALYZED
Acetone	< 0.010	0.010	mg/L	EPA 8260B	26-Mar-10
Bonzene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Bromodichloromethane	< 0.005	0.005	ma/L	EPA 8260B	26-Mar-10 26-Mar-10
Bromoform	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Bromomethane	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
2-Butanone	< 0.003	0.010	mg/L	EPA 8260B	26-Mar-10
Carbon Disulfide	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Carbon Tetrachloride	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Chlorobenzono	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Chloroethane	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Chlorolorm	< 0.005	0.005	mg/L mg/L	EPA 8260B	26-Mar-10 26-Mar-10
Chloromethane	< 0.005	0.005		EPA 8260B	26-Mar-10 26-Mar-10
Chioromethane Dibromochloromethane	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10 26-Mar-10
บเอกงากจะกาจเกาะเกลกษ 1.1-Dichloroethane		0.005	mg/L		
1,1-Dichioroethane 1.2-Dichioroethane	< 0.005 < 0.005	0.005	mg/L	EPA 8260B EPA 8260B	26-Mar-10
•			mg/L		26-Mar-10
1,1-Dichloroethene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
cis-1,2-Dichloroethene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
trans-1,2-Dichloroethene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
1,2-Dichloropropane	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
cis-1,3-Dichloropropene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
trans-1,3-Dichloropropene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Ethylbenzono	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
2-Hexanone	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
4-Methyl-2-pentanone	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Styrene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
1,1,2,2-Tetrachloroethane	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Tetrachloroethene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Toluene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
1,1,1-Trichloroethane	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
1,1,2-Trichloroethane	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Trichloraethene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Vinyl Chloride	< 0.002	0.002	mg/L	EPA 8260B	26-Mar-10
m,p-Xylenes	< 0.010	0.010	mg/L	EPA 8260B	26-Mar-10
o-Xylene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
n-Butylbenzene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
sec-Butylbenzene	< 0 005	0.005	mg/L	EPA 8260B	26-Mar-10
Isopropylbenzene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
n-Propylbenzene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
p-Isopropyltoluane	< 0.005	0.005	ma/L	EPA 8260B	26-Mar-10

DICKSON CITY INDUSTRIAL PARK 824 ENTERPRISE STREET DICKSON CITY, PA 18519-1593

PHONE: (570) 489-6964

FAX: (570) 489-6965



CABOT-EPA 006818



March 26, 2010

James Pinta URS Corporation Foster Plaza 4 501 Holiday Drive, Suite 300 Pittsburgh, PA 15220 Date Sampled. Time Sampled:

23-Mar-10 16:00 23-Mar-10

Date Received: Sampled by:

James Pinta/ URS



PARAMETER	RESULT	UNITS	METHOD	ANALYZED
рН	6.75 H	pH units	SM ₂₀ 4500 H* B	23-Mar-10
TSS	23.0	mg/L	SM ₂₀ 2540 D	25-Mar-10
TDS	46.7	mg/L	SM ₂₀ 2540 C	25-Mar-10
Sulfi d e	< 1	mg/L	EPA 376.2	26-Mar-10
MBAS	< 0.040	mg/L	SM ₂₀ 5540 C	25-Mar-10
Chloride	19.7	mg/L	ASTM D512-89(99)C	26-Mar-10
Total Coliform	TNTC	cfu/ 100 ml	SM ₂₀ 9222 B	23-Mar-10
Fecal Coliform	< 1	cfu/ 100 ml	SM ₂₀ 9222 D	23-Mar-10
				19:00

H sample received and analyzed out of EPA prescribed hold time.

TNJC Too Numerous To Count

Joe R. Mussari, III Laboratory Director

DICKSON CITY INDUSTRIAL PARK 824 ENTERPRISE STREET DICKSON CITY, PA 18519-1593

PHONE: (570) 489-6964

FAX: (570) 489-6965



CABOT-EPA 006819

DIM0227454

ANALYTICAL & ENVIRONMENTAL LABORATORIES, INC.

March 26, 2010

James Pinta URS Corporation Foster Plaza 4 501 Holiday Drive, Suite 300 Pittsburgh, PA 15220 Date Sampled: Time Sampled: Date Received: n/a n/a

23-Mar-10

Sampled by:

James Pinta/ URS

Matnx:

n/a

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	RESULT	REPORTING LIMIT	UMITS	METHOD	ANALYZED
	- 0.040	0.040		EDA 0000	26-Mar-10
Acetone	< 0.010	0 010	mg/L	EPA 8260B	
Benzene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Bromodichloromethane	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Bromoform	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Bromomethane	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
2-Butanone	< 0.010	0 010	mg/L	EPA 8260B	26-Mar-10
Carbon Disulfide	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Carbon Tetrachloride	< 0 005	0 005	mg/L	EPA 8260B	26-Mar-10
Chlorobenzene	< 0 005	0.005	mg/L	EPA 8260B	26-Mar-10
Chloroethane	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Chloroform	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Chloromethane	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Dibromochloromethane	< 0.005	0.005	rng/L	EPA 8260B	26-Mar-10
1,1-Dichloroethana	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
1,2-Dichloroethane	< 0.005	0 005	mg/L	EPA 8260B	26-Mar-10
1,1-Dichloroethone	< 0 005	0.005	mg/L	EPA 8260B	26-Mar-10
cis-1,2-Dichloroethene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
rans-1,2-Dichloroethene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
1,2-Dichloropropane	< 0.005	0 005	mg/L	EPA 8260B	26-Mar-10
cis-1,3-Dichloropropene	< 0 005	0.005	mg/L	EPA 8260B	26-Mar-10
trans-1,3-Dichloropropene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Ethylbenzene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
2-Hexanone	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
4-Methyl-2-pentanone	< 0.005	0 005	mg/L	EPA 8260B	26-Mar-10
Styrene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
1.1.2.2-Tetrachloroethane	< 0 005	0.005	mg/L	EPA 8260B	26-Mar-10
Tetrachloroothene	< 0 005	0.005	mg/L	EPA 8260B	26-Mar-10
Toluene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
1.1.4-Trichloroethane	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
1.1.2-Trichloroethane	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Trichloroethene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Vinyl Chlorido	< 0.002	0.002	mg/L	EPA 8260B	26-Mar-10
n,p-Xylenes	< 0.010	0.010	mg/L	EPA 8260B	26-Mar-10
o-Xyleno	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
n-Butylbenzene	< 0.005	0 005	mg/L	EPA 8260B	26-Mar-10
sec-Butylbenzene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
seo-butylbenzene Isopropylbenzene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
n-Propylbenzene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
p-Isopropyltolueno	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10

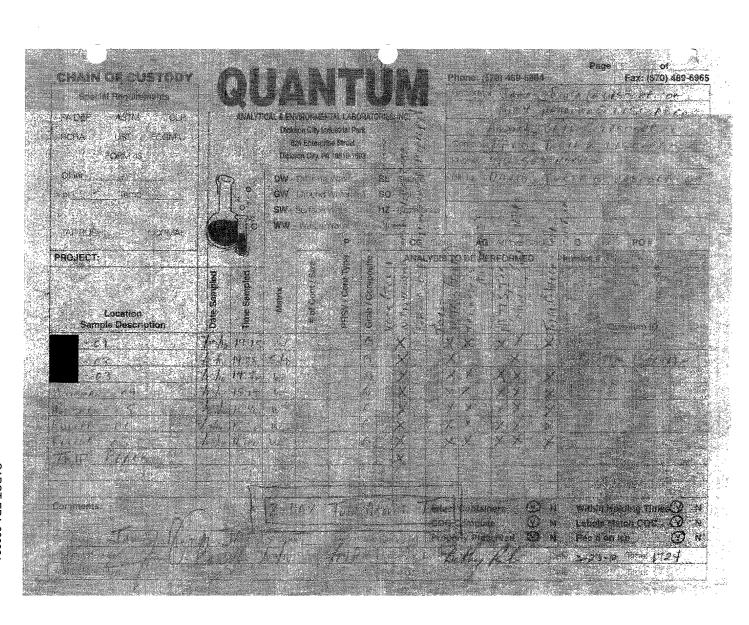
DICKSON CITY INDUSTRIAL PARK 824 ENTERPRISE STREET DICKSON CITY, PA 18519-1593

PHONE: (570) 489-6964

FAX: (570) 489-6965



CABOT-EPA 006820





March 29, 2010

James Pinta URS Corporation Foster Plaza 4 501 Holiday Drive, Suite 300 Pittsburgh, PA 15220 Date Sampled:

24-Mar-10

Time Sampled: Date Received:

10:00 24-Mar-10

Sampled by:

Andy Mehalko/ URS

Matrix:

Waste Water

2H-08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	ANALYZED
Aluminum, total	0.98	0.050	mg/L	EPA 200.7	29-Mar-10
Antimony, total	< 0.0050	0.0050	mg/L	EPA 200.7	29-Mar-10
Arsenic, total	< 0.0050	0.0050	mg/L	EPA 200.7	29-Mar-10
Barium, total	0.23	0.010	mg/L	EPA 200.7	29-Mar-10
Beryllium, total	< 0.0010	0.0010	mg/L	EPA 200.7	29-Mar-10
Boron, total	< 0.050	0.050	mg/L	EPA 200.7	29-Mar-10
Cadmium, total	< 0.0010	0.0010	mg/L	EPA 200.7	29-Mar-10
Calcium, total	18.6	1.0	mg/L	EPA 200.7	29-Mar-10
Chromium, total	< 0.0050	0.0050	mg/L	EPA 200.7	29-Mar-10
Cobalt, total	< 0.0050	0.0050	mg/L	EPA 200.7	29-Mar-10
Copper, total	< 0.0050	0.0050	mg/L	EPA 200.7	29-Mar-10
Iron, total	0.89	0.050	mg/L	EPA 200.7	29-Mar-10
Lead, total	< 0.0020	0.0020	mg/L	EPA 200.7	29-Mar-10
Magnesium, total	5.3	0.20	mg/L	EPA 200.7	29-Mar-10
Manganese, total	0.21	0.0050	mg/L	EPA 200.7	29-Mar-10
Mercury, total	< 0.00020	0.00020	mg/L	EPA 245.2	29-Mar-10
Molybdenum, total	< 0.020	0.020	mg/L	EPA 200.7	29-Mar-10
Nickel, total	< 0.010	0.010	mg/L	EPA 200.7	29-Mar-10
Potassium, total	9.7	0.50	mg/L	EPA 200.7	29-Mar-10
Selenium, total	< 0.0050	0.0050	mg/L	EPA 200.7	29-Mar-10
Silver, total	< 0.0010	0.0010	mg/L	EPA 200.7	29-Mar-10
Sodium, total	14.5	1.0	mg/L	EPA 200.7	29-Mar-10
Thallium, total	< 0.010	0.010	mg/L	EPA 200.7	29-Mar-10
Vanadium, total	< 0.0050	0.0050	mg/L	EPA 200.7	29-Mar-10
Zinc, total	0.013	0.010	mg/L	EPA 200.7	29-Mar-10



DICKSON CITY INDUSTRIAL PARK 824 ENTERPRISE STREET DICKSON CITY, PA 18519-1593

PHONE: (570) 489-6964

FAX: (570) 489-6965



CABOT-EPA 006822



March 29, 2010

James Pinta URS Corporation Foster Plaza 4 501 Holiday Drive, Suite 300 Pittsburgh, PA 15220 Date Sampled. Time Sampled: Date Received:

24-Mar-10 10:00 24-Mar-10

Sampled by:

Andy Mehalko/ URS

Matrix:

Waste Water

2H-08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	ANALYZED	
Aluminum, dissolved	< 0.050	0.050	mg/L	EPA 200.7	29-Mar-10	
Antimony, dissolved	< 0.0050	0.0050	mg/L	EPA 200.7	29-Mar-10	
Arsenic, dissolved	< 0.0050	0.0050	mg/L	EPA 200.7	29-Mar-10	
Barium, dissolved	0.11	0.010	mg/L	EPA 200.7	29-Mar-10	
Beryllium, dissolved	< 0.0010	0.0010	mg/L	EPA 200.7	29-Mar-10	
Boron, dissolved	< 0.050	0.050	mg/L	EPA 200.7	29-Mar-10	
Cadmium, dissolved	< 0.0010	0.0010	mg/L	EPA 200.7	29-Mar-10	
Calcium, dissolved	19.1	1.0	mg/L	EPA 200.7	29-Mar-10	
Chromium, dissolved	< 0.0050	0.0050	mg/L	EPA 200.7	29-Mar-10	
Cobalt, dissolved	< 0.0050	0.0050	mg/L	EPA 200.7	29-Mar-10	
Copper, dissolved	< 0.0050	0.0050	mg/L	EPA 200.7	29-Mar-10	
Iron, dissolved	0.094	0.050	mg/L	EPA 200.7	29-Mar-10	
Lead, dissolved	< 0.0020	0.0020	mg/L	EPA 200.7	29-Mar-10	
Magnesium, dissolved	5.2	0.20	mg/L	EPA 200.7	29-Mar-10	
Manganese, dissolved	0.17	0.0050	mg/L	EPA 200.7	29-Mar-10	
Mercury, dissolved	< 0.00020	0.00020	mg/L	EPA 245.2	29-Mar-10	
Molybdenum, dissolved	< 0.020	0.020	mg/L	EPA 200.7	29-Mar-10	
Nickel, dissolved	< 0.010	0.010	mg/L	EPA 200.7	29-Mar-10	
Potassium, dissolved	9.0	0.50	mg/L	EPA 200.7	29-Mar-10	
Selenium, dissolved	< 0.0050	0.0050	mg/L	EPA 200.7	29-Mar-10	
Silver, dissolved	< 0.0010	0.0010	mg/L	EPA 200.7	29-Mar-10	
Sodium, dissolved	14.4	1.0	mg/L	EPA 200.7	29-Mar-10	
Thallium, dissolved	< 0.010	0.010	mg/L	EPA 200.7	29-Mar-10	
Vanadium, dissolved	< 0.0050	0.0050	mg/L	EPA 200 7	29-Mar-10	
Zinc, dissolved	< 0.010	0.010	mg/L	EPA 200.7	29-Mar-10	

Joe R. Mussari, III

Laboratory Director

DICKSON CITY INDUSTRIAL PARK 824 ENTERPRISE STREET DICKSON CITY, PA 18519-1593

PHONE: (570) 489-6964

FAX: (570) 489-6965

CABOT-EPA 006823



March 29, 2010

James Pinta **URS** Corporation Foster Plaza 4 501 Holiday Drive, Suite 300 Pittsburgh, PA 15220

Date Sampled: Time Sampled: Date Received^{*}

24-Mar-10 10:00 24-Mar-10 Andy Mehalko/ URS

Sampled by: Matnx:

Waste Water

2H-08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	ANALYZED
Acatana	< 0.010	0.010	mg/L	EPA 8260B	26-Mar-10
Acetone	< 0.005	0.005	mg/L mg/L	EPA 8260B	26-Mar-10 26-Mar-10
Benzene Bromodichloromethane	< 0.005	0.005		EPA 8260B	26-Mar-10
	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Bromoform			mg/L		
Bromomethane	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
2-Butanone	< 0.010	0.010	mg/L	EPA 8260B	26-Mar-10
Carbon Disulfide	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Carbon Tetrachloride	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Chlorobenzene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Chloroethano	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Chloroform	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Chloromethane	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Dibromochloromethane	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
1,1-Dichloroethane	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
1,2-Dichloroethane	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
1,1-Dichloraethene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
cis-1,2-Dichloroethene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
trans-1,2-Dichloroethene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
1,2-Dichloropropane	< 0.005	0 005	mg/L	EPA 8260B	26-Mar-10
cis-1,3-Dichloropropune	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
trans-1,3-Dichloropropene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Ethylbenzene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
2-Hexanone	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
4-Methyl-2-pentanone	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Styrene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
1,1,2,2-Tetrachloroethane	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Tetrachloroethene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Toluene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
1.T.1-Trichloroethane	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
1,1,2-Trichloroethane	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Trichloroethene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Vinvl Chloride	< 0.002	0.002	mg/L	EPA 8260B	26-Mar-10
m.p-Xylenes	< 0.010	0.010	mg/L	EPA 8260B	26-Mar-10
o-Xylene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
n-Butyibanzana	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
sec-Butylbenzene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
isopropyibenzene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
n-Propylba n zene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
n-Propyibanzane p-Isopropyltoluene	< 0.005 < 0.005	0.005	mg/L	EPA 82608	26-Mar-10 26-Mar-10

DICKSON CITY INDUSTRIAL PARK **824 ENTERPRISE STREET** DICKSON CITY, PA 18519-1593

PHONE: (570) 489-6964

FAX: (570) 489-6965



DIM0228057

CABOT-EPA 006824



March 29, 2010

James Pinta URS Corporation Foster Plaza 4 501 Holiday Drive, Suite 300 Pittsburgh, PA 15220 Date Sampled: Time Sampled: Date Received:

24-Mar-10 10:00 24-Mar-10

Sampled by:

Andy Mehalko/ URS

2H-08

PARAMETER	RESULT	UNITS	METHOD	ANALYZED	
pН	7.40 H	pH units	SM ₂₀ 4500 H* B	24-Mar-10	
TSS	120	mg/L	SM ₂₀ 2540 D	25-Mar-10	
TDS	14.0	mg/L	SM ₂₀ 2540 C	25-Mar-10	
Sulfide	< 5	mg/L	EPA 376.2	29-Mar-10	
MBAS	< 0.040	mg/L	SM ₂₀ 5540 C	26-Mar-10	
Chloride	28.2	mg/L	ASTM D512-89(99)C	26-Mar-10	
Total Coliform	TNTC	cfu/ 100 ml	SM ₂₀ 9222 B	24-Mar-10	
Fecal Coliform	6	cfu/ 100 ml	SM ₂₀ 9222 D	24-Mar-10	
				18:00	

H sample received and analyzed out of EPA prescribed hold time. TNTC Too Numerous To Count

Joe R. Mussari, III Laboratory Director

DICKSON CITY INDUSTRIAL PARK 824 ENTERPRISE STREET DICKSON CITY, PA 18519-1593

PHONE: (570) 489-6964

FAX: (570) 489-6965



CABOT-EPA 006825



March 30, 2010

James Pinta URS Corporation Foster Plaza 4 501 Holiday Drive, Suite 300 Pittsburgh, PA 15220 Date Sampled:

23-Mar-10

Time Sampled: Date Received: 10:15 23-Mar-10

Sampled by:

Andy Mehalko/ URS

Matrix:

Solid

2H-09

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	ANALYZED	
A la ma i ma ma	7510	7.9	ma/1/a	EPA 6010B	30-Mar-10	
Aluminum			mg/Kg	EPA 6010B	30-Mar-10 30-Mar-10	
Antimony	0.44	0.40	mg/Kg			
Arsenic	4.5	0.40	mg/Kg	EPA 6010B	30-Mar-10	
Barium	149	1.6	mg/Kg	EPA 6010B	30-Mar-10	
Beryllium	0.33	0.16	mg/Kg	EPA 6010B	30-Mar-10	
Boron	< 4.0	4.0	mg/Kg	EPA 6010B	30-Mar-10	
Cadmium	< 0.16	0.16	mg/Kg	EPA 6010B	30-Mar-10	
Calcium	4410	159	mg/Kg	EPA 6010B	30-Mar-10	
Chromium	9.0	0.40	mg/Kg	EPA 6010B	30-Mar-10	
Cobalt	6.0	0.79	mg/Kg	EPA 6010B	30-Mar-10	
Copper	15.2	0.79	mg/Kg	EPA 6010B	30-Mar-10	
Iron	14800	7.9	mg/Kg	EPA 6010B	30-Mar-10	
Lead	9.2	0.40	mg/Kg	EPA 6010B	30-Mar-10	
Magnesium	2620	39.7	mg/Kg	EPA 6010B	30-Mar-10	
Manganese	394	0.79	mg/Kg	EPA 6010B	30-Mar-10	
Mercury	< 0.095	0.095	mg/Kg	EPA 7471	29-Mar-10	
Molybdenum	< 1.6	1.6	mg/Kg	EPA 6010B	30-Mar-10	
Nickel	11.7	1.6	mg/Kg	EPA 6010B	30-Mar-10	
Potassium	906	39.7	mg/Kg	EPA 6010B	30-Mar-10	
Selenium	< 0.40	0.40	mg/Kg	EPA 6010B	30-Mar-10	
Silver	< 0.16	0.16	mg/Kg	EPA 6010B	30-Mar-10	
Sodium	< 397	397	mg/Kg	EPA 6010B	30-Mar-10	
Thalliu m	< 1.6	1.6	mg/Kg	EPA 6010B	30-Mar-10	
Vanadium	9.9	0.79	mg/Kg	EPA 6010B	30-Mar-10	
Zinc	61.5	0.79	mg/Kg	EPA 6010B	30-Mar-10	

Results reported on a "wet weight" basis

Joe R. Mussari, III

DICKSON CITY INDUSTRIAL PARK

824 ENTERPRISE STREET

DICKSON CITY, PA 18519-1593

PHONE: (570) 489-6964

FAX: (570) 489-6965



CABOT-EPA 006826

ANALYTICAL & ENVIRONMENTAL LABORATORIES, INC.

March 29, 2010

James Pinta **URS** Corporation Foster Plaza 4 501 Holiday Drive, Suite 300 Pittsburgh, PA 15220

Date Sampled: Time Sampled: Date Received: 24-Mar-10 10 15 24-Mar-10

Sampled by:

Matrix:

Andy Mehalko/ URS

2H-09

Solid

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	ANALYZED
Acetone	0.087	0 007	mg/Kg	EPA 8260B	26-Mar-10
Benzene	< 0.004	0 004	mg/Kg	EPA 8260B	26-Mar-10
Bromodichloromethane	< 0.004	0.004	mg/Kg	EPA 8260B	26-Mar-10
Bromoform	< 0.004	0.004	mg/Kg	EPA 8260B	26-Mar-10
Bromomethane	< 0.004	0.004	mg/Kg	EPA 8260B	26-Mar-10
2-Butanone	< 0.007	0.007	mg/Kg	EPA 8260B	26-Mar-10
Carbon Disulfide	< 0.004	0.004	mg/Kg	EPA 8260B	26-Mar-10
Carbon Tetrachloride	< 0.004	0 004	mg/Kg	EPA 8260B	26-Mar-10
Chlorobenzene	< 0.004	0 004	mg/Kg	EPA 8260B	26-Mar-10
Chloroethane	< 0.004	0.004	mg/Kg	EPA 8260B	26-Mar-10
Chloroform	< 0.004	0.004	mg/Kg	EPA 8260B	26-Mar-10
Chloromethane	< 0 004	0.004	mg/Kg	EPA 8260B	26-Mar-10
Dibromochloromethane	< 0.004	0.004	mg/Kg	EPA 8260B	26-Mar-10
1,1-Dichloroetharie	< 0 004	0 004	mg/Kg	EPA 8260B	26-Mar-10
1,2-Dichloroethane	< 0.004	0.004	mg/Kg	EPA 8260B	26-Mar-10
1,1-Dichloroethene	< 0 004	0.004	mg/Kg	EPA 8260B	26-Mar-10
cis-1,2-Dichloroathene	< 0 004	0.004	mg/Kg	EPA 8260B	26-Mar-10
trans-1,2-Dichloroethene	< 0.004	0.004	mg/Kg	EPA 8260B	26-Mar-10
1,2-Dichloropropane	< 0.004	0.004	mg/Kg	EPA 8260B	26-Mar-10
cis-1,3-Dichloropropena	< 0 004	0.004	mg/Kg	EPA 8260B	26-Mar-10
trans-1,3-Dichloropropeno	< 0.004	0.004	mg/Kg	EPA 8260B	26-Mar-10
Ethylbenzene	< 0.004	0.004	mg/Kg	EPA 8260B	26-Mar-10
2-Hexanone	< 0.007	0.007	mg/Kg	EPA 8260B	26-Mar-10
4-Mothyl-2-pentanone	< 0.007	0.007	mg/Kg	EPA 8260B	26-Mar-10
Styrene	< 0.004	0.004	mg/Kg	EPA 8260B	26-Mar-10
1,1,2,2-Tetrachloroethane	< 0.004	0.004	mg/Kg	EPA 8260B	26-Mar-10
Tetrachloroethene	< 0 004	0.004	mg/Kg	EPA 8260B	26-Mar-10
Toluene	< 0.004	0 004	mg/Kg	EPA 8260B	26-Mar-10
1.17-Trichloroethane	< 0.004	0.004	mg/Kg	EPA 8260B	26-Mar-10
1.1.2-Trichloroethano	< 0.004	0.004	mg/Kg	EPA 8260B	26-Mar-10
Trichloroethene	< 0.004	0.004	mg/Kg	EPA 8260B	26-Mar-10
Vinvi Chloride	< 0.004	0 004	mg/Kg	EPA 8260B	26-Mar-10
m.p-Xvlenes	< 0 007	0.007	mg/Kg	EPA 8260B	26-Mar-10
o-Xylene	< 0.004	0 004	mg/Kg	EPA 8260B	26-Mar-10
n-Butvlbenzene	< 0 004	0.004	mg/Kg	EPA 8260B	26-Mar-10
sec-Butylbenzene	< 0.004	0 004	mg/Kg	EPA 8260B	26-Mar-10
Isopropylbenzene	< 0.004	0 004	mg/Kg	EPA 8260B	26-Mar-10
n-Propyibenzene	< 0.004	0 004	mg/Kg	EPA 8260B	26-Mar-10
p-Isopropyltoluene	< 0.004	0.004	mg/Kg	EPA 8260B	26-Mar-10

Results reported on a "wet-weight" basis

DICKSON CITY INDUSTRIAL PARK 824 ENTERPRISE STREET DICKSON CITY, PA 18519-1593

PHONE: (570) 489-6964

FAX: (570) 489-6965



CABOT-EPA 006827

ANALYTICAL & ENVIRONMENTAL LABORATORIES, INC.

March 30, 2010

James Pinta URS Corporation Foster Plaza 4 501 Holiday Drive, Suite 300 Pittsburgh, PA 15220 Date Sampled: Time Sampled: Date Received: 24-Mar-10 10:15 24-Mar-10

Sampled by:

Andy Mehalko/ URS

2H-09

RESULT	UNITS	METHOD	ANALYZED
< 25	mg/L	EPA 376.2	29-Mar-10
< 0.040	mg/L	SM ₂₀ 5540 C	29-Mar-10
7.58	mg/L	ASTM D512-89(99)C	29-Mar-10
	< 25 < 0.040	< 25 mg/L < 0.040 mg/L	< 25 mg/L EPA 376.2 < 0.040 mg/L SM ₂₀ 5540 C

Joe R. Mussari, III Laboratory Director

DICKSON CITY INDUSTRIAL PARK 824 ENTERPRISE STREET DICKSON CITY, PA 18519-1593

PHONE: (570) 489-6964

FAX: (570) 489-6965



CABOT-EPA 006828



March 30, 2010

James Pinta URS Corporation Foster Plaza 4 501 Holiday Drive, Suite 300 Pittsburgh, PA 15220 Date Sampled: 23-Mar-10 Time Sampled: 14:15 Date Received: 23-Mar-10

Sampled by: Andy Mehalko/ URS

Matrix:

Solid

2H-10

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	ANALYZED
Al. main	C150	7.9	m = 11/m	EPA 6010B	30-Mar-10
Aluminum	6150		mg/Kg		
Antimony	0.43	0.40	mg/Kg	EPA 6010B	30-Mar-10
Arsenic	8.8	0.40	mg/Kg	EPA 6010B	30-Mar-10
Barium	229	1.6	mg/Kg	EPA 6010B	30-Mar-10
Beryllium	0.34	0.16	mg/Kg	EPA 6010B	30-Mar-10
Boron	< 4.0	4.0	mg/Kg	EPA 6010B	30-Mar-10
Cadmium	0.18	0.16	mg/Kg	EPA 6010B	30-Mar-10
Calcium	1260	159	mg/Kg	EPA 6010B	30-Mar-10
Chromium	6.9	0.40	mg/Kg	EPA 6010B	30-Mar-10
Cobalt	4.5	0.79	mg/Kg	EPA 6010B	30-Mar-10
Copper	12.6	0.79	mg/Kg	EPA 6010B	30-Mar-10
Iron	8840	7.9	mg/Kg	EPA 6010B	30-Mar-10
Lead	29.3	0.40	mg/Kg	EPA 6010B	30-Mar-10
Magnesium	1210	39.7	mg/Kg	EPA 6010B	30-Mar-10
Manganese	811	0.79	mg/Kg	EPA 6010B	30-Mar-10
Mercury	< 0.098	0.098	mg/Kg	EPA 7471	29-Mar-10
Molybdenum	< 1.6	1.6	mg/Kg	EPA 6010B	30-Mar-10
Nickel	7.0	1.6	mg/Kg	EPA 6010B	30-Mar-10
Potassium	692	39.7	mg/Kg	EPA 6010B	30-Mar-10
Selenium	0.42	0.40	mg/Kg	EPA 6010B	30-Mar-10
Silver	< 0.16	0.16	mg/Kg	EPA 6010B	30-Mar-10
Sodium	< 397	397	mg/Kg	EPA 6010B	30-Mar-10
Thallium	< 1.6	1.6	mg/Kg	EPA 6010B	30-Mar-10
Vanadium	8.4	0.79	mg/Kg	EPA 6010B	30-Mar-10
Zinc	62.1	0.79	mg/Kg	EPA 6010B	30-Mar-10

Results reported on a "wet weight" basis

Joe R. Mussari, III

DICKSON CITY INDUSTRIAL PARK

Laboratory Director

824 ENTERPRISE STREET

DICKSON CITY, PA 18519-1593

PHONE: (570) 489-6964

FAX: (570) 489-6965



CABOT-EPA 006829



March 29, 2010

James Pinta URS Corporation Foster Plaza 4 501 Holiday Drive, Suite 300 Pittsburgh, PA 15220 Date Sampled:

24-Mar-10 14:15

Time Sampled: Date Received:

24-Mar-10

Sampled by

Andy Mehalko/ URS

Matrix:

Solid

2H-10

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	ANALYZED
Acetona	0.205	0.013	mg/Kg	EPA 8260B	26-Mar-10
Benzone	< 0.006	0.006	mg/Kg	EPA 8260B	26-Mar-10
Bromodichloromethane	< 0.006	0.006	mg/Kg	EPA 8260B	26-Mar-10
Bromoform	< 0.006	0.006	mg/Kg	EPA 8260B	26-Mar-10
Bromomethane	< 0.006	0.006	mg/Kg	EPA 8260B	26-Mar-10
2-Butanone	0.024	0.013	mg/Kg	EPA 8260B	26-Mar-10
Carbon Disulfide	< 0.006	0.006	mg/Kg	EPA 8260B	26-Mar-10
Carbon Tetrachlonde	< 0.006	0.006	mg/Kg	EPA 8260B	26-Mar-10
Chlorobenzene	< 0.006	0.006	mg/Kg	EPA 8260B	26-Mar-10
Chloroethane	< 0.006	0 006	mg/Kg	EPA 8260B	26-Mar-10
Chloroform	< 0.006	0.006	mg/Kg	EPA 8260B	26-Mar-10
Chloromethane	< 0.006	0.006	mg/Kg	EPA 8260B	26-Mar-10
Dibromochloromethane	< 0.006	0.006	mg/Kg	EPA 8260B	26-Mar-10
1.1-Dichloroethane	< 0 006	0.006	mg/Kg	EPA 8260B	26-Mar-10
1.2-Dichloroethane	< 0.006	0.006	mg/Kg	EPA 8260B	26-Mar-10
1.1 Dichloroethene	< 0.006	0.006	mg/Kg	EPA 8260B	26-Mar-10
cis-1,2-Dichlargethene	< 0.006	0.006	mg/Kg	EPA 8260B	26-Mar-10
trans-1,2-Dichloroethene	< 0.006	0 006	mg/Kg	EPA 8260B	26-Mar-10
1,2-Dichloropropane	< 0.006	0.006	mg/Kg	EPA 8260B	26-Mar-10
cis-1,3-Dichloropropene	< 0.006	0.006	mg/Kg	EPA 8260B	26-Mar-10
trans-1,3-Dichloropropena	< 0.006	0.006	mg/Kg	EPA 8260B	26-Mar-10
Ethylbenzene	< 0.006	0.006	mg/Kg	EPA 8260B	26-Mar-10
2-Hexanone	< 0.013	0.013	mg/Kg	EPA 8260B	26-Mar-10
4-Methyl-2-pentanone	< 0.013	0.013	mg/Kg	EPA 8260B	26-Mar-10
Styrene	< 0.006	0.006	mg/Kg	EPA 8260B	26-Mar-10
1.1.2.2-Tetrachloroethane	< 0.006	0.006	mg/Kg	EPA 8260B	26-Mar-10
Tetrachloroethene	< 0.006	0 006	mg/Kg	EPA 8260B	26-Mar-10
Toluane	< 0.006	0.006	mg/Kg	EPA 8260B	26-Mar-10
1.1,1-Trichloroethane	< 0.006	0 006	mg/Kg	EPA 8260B	26-Mar-10
1,1,2-Trichloroethane	< 0.006	0.006	mg/Kg	EPA 8260B	26-Mar-10
Trichloroethene	< 0.006	0.006	mg/Kg	EPA 8260B	26-Mar-10
Vinyl Chloride	< 0 006	0.006	mg/Kg	EPA 8260B	26-Mar-10
m.p-Xylenes	< 0.013	0.013	mg/Kg	EPA 8260B	26-Mar-10
o-Xylene	< 0 006	0.006	mg/Kg	EPA 8260B	26-Mar-10
n-Butylbanzene	< 0 006	0 006	mg/Kg	EPA 8260B	26-Mar-10
sec-Butylbenzene	< 0.006	0.006	mg/Kg	EPA 8260B	26-Mar-10
Isopropylbenzene	< 0.006	0.006	mg/Kg	EPA 8260B	26-Mar-10
n-Propylbenzene	< 0 006	0 006	mg/Kg	EPA 8260B	26-Mar-10
p-Isopropy!tolueno	< 0.006	0.006	mg/Kg	EPA 8260B	26-Mar-10

Results reported on a "wet-weight" basis

DICKSON CITY INDUSTRIAL PARK 824 ENTERPRISE STREET DICKSON CITY, PA 18519-1593

PHONE: (570) 489-6964

FAX: (570) 489-6965



CABOT-EPA 006830



March 30, 2010

James Pinta URS Corporation Foster Plaza 4 501 Holiday Drive, Suite 300 Pittsburgh, PA 15220 Date Sampled: Time Sampled: Date Received: 24-Mar-10 14:15 24-Mar-10

Sampled by:

Andy Mehalko/ URS

2H-10

PARAMETER	RESULT	UNITS	METHOD	ANALYZED
ASTM				
Sulfide	< 25	mg/L	EPA 376.2	29-Mar-10
MBAS	< 0.100	mg/L	SM ₂₀ 5540 C	29-Mar-10
Chloride	3.23	mg/L	ASTM D512-89(99)C	29-Mar-10

Joe R. Mussari, III Laboratory Director

DICKSON CITY INDUSTRIAL PARK 824 ENTERPRISE STREET DICKSON CITY, PA 18519-1593

PHONE: (570) 489-6964

FAX: (570) 489-6965



CABOT-EPA 006831



March 29, 2010

James Pinta URS Corporation Foster Plaza 4 501 Holiday Drive, Suite 300 Pittsburgh, PA 15220 Date Sampled:

24-Mar-10

Time Sampled: Date Received:

14:00 24-Mar-10

Sampled by:

Andy Mehalko/ URS

Matrix:

Waste Water

2H-11

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	ANALYZED
Aluminum, total	2.4	0.050	mg/L	EPA 200.7	29-Mar-10
Antimony, total	< 0.0050	0.0050	mg/L	EPA 200.7	29-Mar-10
Arsenic, total	0.0051	0.0050	mg/L	EPA 200.7	29-Mar-10
Barium, total	0.76	0.010	mg/L	EPA 200.7	29-Mar-10
Beryllium, total	< 0.0010	0.0010	mg/L	EPA 200.7	29-Mar-10
Boron, total	< 0.050	0.050	mg/L	EPA 200.7	29-Mar-10
Cadmium, total	< 0.0010	0 0010	mg/L	EPA 200.7	29-Mar-10
Calcium, total	14.2	1.0	mg/L	EPA 200.7	29-Mar-10
Chromium, total	< 0.0050	0.0050	mg/L	EPA 200.7	29-Mar-10
Cobalt, total	< 0.0050	0.0050	mg/L	EPA 200.7	29-Mar-10
Copper, total	< 0.0050	0.0050	mg/L	EPA 200.7	29-Mar-10
Iron, total	1.7	0.050	mg/L	EPA 200.7	29-Mar-10
Lead, total	0.0048	0.0020	mg/L	EPA 200.7	29-Mar-10
Magnesium, total	3.0	0.20	mg/L	EPA 200.7	29-Mar-10
Manganese, total	0.039	0.0050	mg/L	EPA 200.7	29-Mar-10
Mercury, total	< 0.00020	0.00020	mg/L	EPA 245.2	29-Mar-10
Molybdenum, total	< 0.020	0.020	mg/L	EPA 200.7	29-Mar-10
Nickel, total	< 0.010	0.010	mg/L	EPA 200.7	29-Mar-10
Potassium, total	3.0	0.50	mg/L	EPA 200.7	29-Mar-10
Selenium, total	< 0.0050	0.0050	mg/L	EPA 200.7	29-Mar-10
Silver, total	< 0.0010	0.0010	mg/L	EPA 200.7	29-Mar-10
Sodium, total	14.6	1.0	mg/L	EPA 200.7	29-Mar-10
Thallium, total	< 0.010	0.010	mg/L	EPA 200.7	29-Mar-10
Vanadium, total	0.0053	0.0050	mg/L	EPA 200.7	29-Mar-10
Zinc, total	< 0.010	0.010	mg/L	EPA 200.7	29-Mar-10

Joe R. Mussari, III Laboratory Director

DICKSON CITY INDUSTRIAL PARK 824 ENTERPRISE STREET DICKSON CITY, PA 18519-1593

PHONE: (570) 489-6964

FAX: (570) 489-6965



CABOT-EPA 006832



March 29, 2010

James Pinta URS Corporation Foster Plaza 4 501 Holiday Drive, Suite 300 Pittsburgh, PA 15220 Date Sampled: Time Sampled:

24-Mar-10 14:00 24-Mar-10

Date Received: Sampled by:

24-Mar-10 Andy Mehalko/ URS

Matrix:

Waste Water

2H-11

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	ANALYZED	
Aluminum, dissolved	0.14	0.050	mg/L	EPA 200.7	29-Mar-10	
Antimony, dissolved	< 0.0050	0.0050	mg/L	EPA 200.7	29-Mar-10	
Arsenic, dissolved	< 0.0050	0.0050	mg/L	EPA 200.7	29-Mar-10	
Barium, dissolved	0.32	0.010	mg/L	EPA 200.7	29-Mar-10	
Beryllium, dissolved	< 0.0010	0.0010	mg/L	EPA 200.7	29-Mar-10	
Boron, dissolved	< 0.050	0.050	mg/L	EPA 200.7	29-Mar-10	
Cadmium, dissolved	< 0.0010	0.0010	mg/L	EPA 200.7	29-Mar-10	
Calcium, dissolved	13.8	1.0	mg/L	EPA 200.7	29-Mar-10	
Chromium, dissolved	< 0.0050	0.0050	mg/L	EPA 200.7	29-Mar-10	
Cobalt, dissolved	< 0.0050	0.0050	mg/L	EPA 200.7	29-Mar-10	
Copper, dissolved	< 0.0050	0.0050	mg/L	EPA 200.7	29-Mar-10	
Iron, dissolved	0.082	0.050	mg/L	EPA 200.7	29-Mar-10	
Lead, dissolved	< 0.0020	0.0020	mg/L	EPA 200.7	29-Mar-10	
Magnesium, dissolved	2.7	0.20	mg/L	EPA 200.7	29-Mar-10	
Manganese, dissolved	< 0.0050	0.0050	mg/L	EPA 200.7	29-Mar-10	
Mercury, dissolved	< 0.00020	0.00020	mg/L	EPA 245.2	29-Mar-10	
Molybdenum, dissolved	< 0.020	0.020	mg/L	EPA 200.7	29-Mar-10	
Nickel, dissolved	< 0.010	0.010	mg/L	EPA 200.7	29-Mar-10	
Potassium, dissolved	2.3	0.50	mg/L	EPA 200.7	29-Mar-10	
Selenium, dissolved	< 0.0050	0.0050	mg/L	EPA 200.7	29-Mar-10	
Silver, dissolved	< 0.0010	0.0010	mg/L	EPA 200.7	29-Mar-10	
Sodium, dissolved	14.5	1.0	mg/L	EPA 200.7	29-Mar-10	
Thallium, dissolved	< 0.010	0.010	mg/L	EPA 200.7	29-Mar-10	
Vanadium, dissolved	< 0.0050	0.0050	mg/L	EPA 200.7	29-Mar-10	
Zinc, dissolved	< 0.010	0.010	mg/L	EPA 200.7	29-Mar-10	

Joe R. Mussari, III Laboratory Director

DICKSON CITY INDUSTRIAL PARK 824 ENTERPRISE STREET DICKSON CITY, PA 18519-1593

PHONE: (570) 489-6964

FAX: (570) 489-6965



CABOT-EPA 006833

ANALYTICAL & ENVIRONMENTAL LABORATORIES, INC.

March 29, 2010

James Pinta URS Corporation Foster Plaza 4 501 Holiday Drive, Suite 300 Pittsburgh, PA 15220 Date Sampled: Time Sampled: Date Received: 24-Mar-10 14:00 24-Mar-10

Sampled by

Andy Mehalko/ URS

Matrix:

Waste Water

2H-11

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	ANALYZED
Acetone	< 0.010	0.010	mg/L	EPA 8260B	26-Mar-10
Benzene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Bromodichioromethane	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Bromoform	< 0.005	0 005	mg/L	EPA 8260B	26-Mar-10
Bromomethane	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
2-Butanone	< 0.010	0.010	mg/L	EPA 8260B	26-Mar-10
Carbon Disulfide	< 0.005	0 005	mg/L	EPA 8260B	26-Mar-10
Carbon Tetrachloride	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Chlorobenzene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Chloroethano	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Chloroform	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Chloromethano	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Dibromochloromethane	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
1,1-Dichloroethane	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
1,2-Dichloroethane	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
1.1-Dichloroothene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
cis-1,2-Dichloroethene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
trans-1,2-Dichloroethene	< 0.005	0.005	rng/L	EPA 8260B	26-Mar-10
1,2-Dichloropropano	< 0.005	0.005	rng/L	EPA 8260B	26-Mar-10
cis-1,3-Dichloropropene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Irans-1,3-Dichloropropene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Ethylbenzene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
2-Hexanone	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
4-Methyl-2-pontanone	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Styrene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
1,1,2,2-Tetrachloroethane	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Tetrachloroethene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Tolueno	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
1,1,1-Trichloroethane	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
1,1,2-Trichloroethane	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Trichloroethene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Vinyl Chloride	< 0 002	0.002	mg/L	EPA 8260B	26-Mar-10
m,p-Xylenes	< 0.010	0.010	mg/L	EPA 8260B	26-Mar-10
o-Xylene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
n-Butylbenzene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
sec-Butylbenzene	< 0 005	0.005	mg/L	EPA 8260B	26-Mar-10
Isopropyibenzene	< 0 005	0.005	mg/L	EPA 8260B	26-Mar-10
n-Propylbonzone	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
p-Isopropyltoluene	< 0.005	0.005	rng/L	EPA 8260B	26-Mar-10

DICKSON CITY INDUSTRIAL PARK 824 ENTERPRISE STREET DICKSON CITY, PA 18519-1593

PHONE: (570) 489-6964

FAX: (570) 489-6965



CABOT-EPA 006834



March 29, 2010

James Pinta URS Corporation Foster Plaza 4 501 Holiday Drive, Suite 300 Pittsburgh, PA 15220 Date Sampled: Time Sampled: Date Received:

24-Mar-10 14:00 24-Mar-10

Sampled by:

Andy Mehalko/ URS

2H-11

PARAMETER	RESULT	UNITS	METHOD	ANALYZED
pН	6.83 H	pH units	SM ₂₀ 4500 H* B	24-Mar-10
TSS	27.0	mg/L	SM ₂₀ 2540 D	25-Mar-10
TDS	66.7	mg/L	SM ₂₀ 2540 C	25-Mar-10
Sulfide	< 5	mg/L	EPA 376.2	29-Mar-10
MBAS	< 0.040	mg/L	SM ₂₀ 5540 C	26-Mar-10
Chlonde	23.4	mg/L	ASTM D512-89(99)C	26-Mar-10
Total Coliform	86	cfu/ 100 ml	SM ₂₀ 9222 B	24-Mar-10
Fecal Coliform	0	cfu/ 100 ml	SM ₂₀ 9222 D	24-Mar-10
			•	18:30

H sample received and analyzed out of EPA prescribed hold time.

Joe R. Mussari, III Laboratory Director

DICKSON CITY INDUSTRIAL PARK 824 ENTERPRISE STREET DICKSON CITY, PA 18519-1593

PHONE: (570) 489-6964

FAX: (570) 489-6965



CABOT-EPA 006835



March 29, 2010

James Pinta URS Corporation Foster Plaza 4 501 Holiday Drive, Suite 300 Pittsburgh, PA 15220 Date Sampled: Time Sampled: 24-Mar-10 14:40

Date Received: Sampled by:

24-Mar-10 Andy Mehalko/ URS

Matrix:

Waste Water

1:

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	ANALYZED	
Aluminum, total	< 0.050	0.050	mg/L	EPA 200.7	29-Mar-10	
Antimony, total	< 0.0050	0.0050	mg/L	EPA 200.7	29-Mar-10	
Arsenic, total	< 0.0050	0.0050	mg/L	EPA 200.7	29-Mar-10 29-Mar-10	
Barium, total	0.10	0.010	mg/L	EPA 200.7	29-Mar-10 29-Mar-10	
Bervilium, total	< 0.0010	0.0010	mg/L	EPA 200.7	29-Mar-10 29-Mar-10	
Boron, total	< 0.050	0.050	mg/L	EPA 200.7	29-Mar-10 29-Mar-10	
Cadmium, total	< 0.0010	0.0010	mg/L	EPA 200.7	29-Mar-10 29-Mar-10	
Calcium, total	32.3	1.0	mg/L	EPA 200.7 EPA 200.7	29-Mar-10 29-Mar-10	
Chromium, total	\$2.5 < 0.0050	0.0050	-	EPA 200.7 EPA 200.7	29-Mar-10 29-Mar-10	
	< 0.0050 < 0.0050	0.0050	mg/L	EPA 200.7 EPA 200.7	29-Mar-10 29-Mar-10	
Cobalt, total		0.0050	mg/L	EPA 200.7 EPA 200.7	29-Mar-10 29-Mar-10	
Copper, total	0.014		mg/L			
Iron, total	< 0.050	0.050	mg/L	EPA 200.7	29-Mar-10	
Lead, total	< 0.0020	0.0020	mg/L	EPA 200.7	29-Mar-10	
Magnesium, total	8.5	0.20	mg/L	EPA 200.7	29-Mar-10	
Manganese, total	< 0.0050	0.0050	mg/L	EPA 200.7	29-Mar-10	
Mercury, total	< 0.00020	0.00020	mg/L	EPA 245.2	29-Mar-10	
Molybdenum, total	< 0.020	0.020	mg/L	EPA 200.7	29-Mar-10	
Nickel, total	< 0.010	0.010	mg/L	EPA 200.7	29-Mar-10	
Potassium, total	1.2	0.50	mg/L	EPA 200.7	29-Mar-10	
Selenium, total	< 0.0050	0.0050	mg/L	EPA 200.7	29-Mar-10	
Silver, total	< 0.0010	0.0010	mg/L	EPA 200.7	29-Mar-10	
Sodium, total	8.6	1.0	mg/L	EPA 200.7	29-Mar-10	
Thallium, total	< 0.010	0.010	mg/L	EPA 200.7	29-Mar-10	
Vanadium, total	< 0.0050	0.0050	mg/L	EPA 200.7	29-Mar-10	
Zinc, total	0.011	0.010	mg/L	EPA 200.7	29-Mar-10	

Joe R. Mussari, III Taboratory Director

DICKSON CITY INDUSTRIAL PARK 824 ENTERPRISE STREET DICKSON CITY, PA 18519-1593

PHONE: (570) 489-6964

FAX: (570) 489-6965



CABOT-EPA 006836



March 29, 2010

James Pinta URS Corporation Foster Plaza 4 501 Holiday Drive, Suite 300 Pittsburgh, PA 15220 Date Sampled: Time Sampled 24-Mar-10 14:40 24-Mar-10

Date Received: Sampled by:

Andy Mehalko/ URS

Matrix:

Waste Water

-12

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	ANALYZED
Aluminum, dissolved	< 0.050	0.050	mg/L	EPA 200.7	29-Mar-10
Antimony, dissolved	< 0.0050	0.0050	mg/L	EPA 200.7	29-Mar-10
Arsenic, dissolved	< 0.0050	0.0050	mg/L	EPA 200.7	29-Mar-10
Barium, dissolved	0.098	0.010	mg/L	EPA 200.7	29-Mar-10
Beryllium, dissolved	< 0.0010	0.0010	mg/L	EPA 200.7	29-Mar-10
Boron, dissolved	< 0.050	0.050	mg/L	EPA 200.7	29-Mar-10
Cadmium, dissolved	< 0.0010	0.0010	mg/L	EPA 200.7	29-Mar-10
Calcium, dissolved	30.6	1.0	mg/L	EPA 200.7	29-Mar-10
Chromium, dissolved	< 0.0050	0.0050	mg/L	EPA 200.7	29-Mar-10
Cobalt, dissolved	< 0.0050	0.0050	mg/L	EPA 200.7	29-Mar-10
Copper, dissolved	< 0.0050	0.0050	mg/L	EPA 200.7	29-Mar-10
Iron, dissolved	< 0.050	0.050	mg/L	EPA 200.7	29-Mar-10
Lead, dissolved	< 0.0020	0.0020	mg/L	EPA 200.7	29-Mar-10
Magnesium, dissolved	8.1	0.20	mg/L	EPA 200.7	29-Mar-10
Manganese, dissolved	< 0.0050	0.0050	mg/L	EPA 200.7	29-Mar-10
Mercury, dissolved	< 0.00020	0.00020	mg/L	EPA 245.2	29-Mar-10
Molybdenum, dissolved	< 0.020	0.020	mg/L	EPA 200.7	29-Mar-10
Nickel, dissolved	< 0.010	0.010	mg/L	EPA 200.7	29-Mar-10
Potassium, dissolved	1.2	0.50	mg/L	EPA 200.7	29-Mar-10
Selenium, dissolved	< 0.0050	0.0050	mg/L	EPA 200.7	29-Mar-10
Silver, dissolved	< 0.0010	0.0010	mg/L	EPA 200.7	29-Mar-10
Sodium, dissolved	8.4	1.0	mg/L	EPA 200.7	29-Mar-10
Thallium, dissolved	< 0.010	0.010	mg/L	EPA 200.7	29-Mar-10
Vanadium, dissolved	< 0.0050	0.0050	mg/L	EPA 200.7	29-Mar-10
Zinc, dissolved	0.012	0.010	mg/L	EPA 200.7	29-Mar-10

Joe R. Mussari, III Laboratory Director

DICKSON CITY INDUSTRIAL PARK 824 ENTERPRISE STREET DICKSON CITY, PA 18519-1593

PHONE: (570) 489-6964

FAX: (570) 489-6965



CABOT-EPA 006837

ANALYTICAL & ENVIRONMENTAL LABORATORIES, INC.

March 29 2010

James Pinta URS Corporation Foster Plaza 4 501 Holiday Drive, Suite 300 Pittsburgh, PA 15220 Date Sampled: Time Sampled. Date Received: 24-Mar-10 14-40 24-Mar-10

Sampled by: Andy Mehalko/ URS

Matnx:

Waste Water

-1

Benzane < 0 Bromodrchlorome!hane < 0 Bromodorm < 0 Bromodorm < 0 Bromomethane < 0 2-Butanone < 0 Carbon Disutfide < 0 Carbon Tetrachlordo < 0 Chlorobenzene < 0 Chlorobenzene < 0 Chloroform < 0 Chloromethane < 0 1,1-Dichloromethane < 0 1,1-Dichloroethane < 0 1,2-Dichloroethene < 0 trans-1,2-Dichloroethene < 0 1,2-Dichloropropane < 0 cis-1,3-Dichloropropene < 0 Ethylbenzene < 0 2-Hoxanone < 0 4-Methyl-2-pantanone < 0 Styrena < 0 1,1,2-Tatrachloroethene < 0 Toluene < 0 1,1,1-Trohloroethene < 0	0.010 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005	0.010 0.005 0.005 0.005 0.005 0.005 0.010 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	EPA 8260B EPA 8260B	26-Mar-10 26-Mar-10
Bromodichlorome!hane < 0	0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005	0.005 0.005 0.005 0.010 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	EPA 8260B EPA 8260B EPA 8260B EPA 8260B EPA 8260B EPA 8260B EPA 8260B EPA 8260B EPA 8260B EPA 8260B EPA 8260B EPA 8260B EPA 8260B EPA 8260B EPA 8260B EPA 8260B EPA 8260B EPA 8260B EPA 8260B	26-Mar-10 26-Mar-10 26-Mar-10 26-Mar-10 26-Mar-10 26-Mar-10 26-Mar-10 26-Mar-10 26-Mar-10 26-Mar-10 26-Mar-10 26-Mar-10 26-Mar-10 26-Mar-10 26-Mar-10 26-Mar-10 26-Mar-10 26-Mar-10 26-Mar-10
Bromoform < 0	0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005	0.005 0.005 0.010 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	EPA 8260B EPA 8260B EPA 8260B EPA 8260B EPA 8260B EPA 8260B EPA 8260B EPA 8260B EPA 8260B EPA 8260B EPA 8260B EPA 8260B EPA 8260B EPA 8260B EPA 8260B EPA 8260B EPA 8260B	26-Mar-10 26-Mar-10 26-Mar-10 26-Mar-10 26-Mar-10 26-Mar-10 26-Mar-10 26-Mar-10 26-Mar-10 26-Mar-10 26-Mar-10 26-Mar-10 26-Mar-10 26-Mar-10 26-Mar-10 26-Mar-10 26-Mar-10
Bromomethane	0.005 0.010 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005	0.005 0.010 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	EPA 8260B EPA 8260B EPA 8260B EPA 8260B EPA 8260B EPA 8260B EPA 8260B EPA 8260B EPA 8260B EPA 8260B EPA 8260B EPA 8260B EPA 8260B EPA 8260B EPA 8260B EPA 8260B	26-Mar-10 26-Mar-10 26-Mar-10 26-Mar-10 26-Mar-10 26-Mar-10 26-Mar-10 26-Mar-10 26-Mar-10 26-Mar-10 26-Mar-10 26-Mar-10 26-Mar-10 26-Mar-10 26-Mar-10 26-Mar-10
2-Butanone < 0	0.010 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005	0.010 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	EPA 8260B EPA 8260B EPA 8260B EPA 8260B EPA 8260B EPA 8260B EPA 8260B EPA 8260B EPA 8260B EPA 8260B EPA 8260B EPA 8260B EPA 8260B EPA 8260B	26-Mar-10 26-Mar-10 26-Mar-10 26-Mar-10 26-Mar-10 26-Mar-10 26-Mar-10 26-Mar-10 26-Mar-10 26-Mar-10 26-Mar-10 26-Mar-10 26-Mar-10 26-Mar-10 26-Mar-10
Carbon Disulfide < 0	0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005	0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	EPA 8260B EPA 8260B EPA 8260B EPA 8260B EPA 8260B EPA 8260B EPA 8260B EPA 8260B EPA 8260B EPA 8260B EPA 8260B EPA 8260B EPA 8260B EPA 8260B	26-Mar-10 26-Mar-10 26-Mar-10 26-Mar-10 26-Mar-10 26-Mar-10 26-Mar-10 26-Mar-10 26-Mar-10 26-Mar-10 26-Mar-10 26-Mar-10 26-Mar-10
Carbon Tetrachlorido < 0	0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005	0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	EPA 8260B EPA 8260B EPA 8260B EPA 8260B EPA 8260B EPA 8260B EPA 8260B EPA 8260B EPA 8260B EPA 8260B EPA 8260B EPA 8260B	26-Mar-10 26-Mar-10 26-Mar-10 26-Mar-10 26-Mar-10 26-Mar-10 26-Mar-10 26-Mar-10 26-Mar-10 26-Mar-10 26-Mar-10
Chlorobenzene < 0	0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005	0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	EPA 8260B EPA 8260B EPA 8260B EPA 8260B EPA 8260B EPA 8260B EPA 8260B EPA 8260B EPA 8260B EPA 8260B	26-Mar-10 26-Mar-10 26-Mar-10 26-Mar-10 26-Mar-10 26-Mar-10 26-Mar-10 26-Mar-10 26-Mar-10 26-Mar-10
Chloroethane < 0	0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005	0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	EPA 8260B EPA 8260B EPA 8260B EPA 8260B EPA 8260B EPA 8260B EPA 8260B EPA 8260B EPA 8260B	26-Mar-10 26-Mar-10 26-Mar-10 26-Mar-10 26-Mar-10 26-Mar-10 26-Mar-10 26-Mar-10 26-Mar-10
Chloroform < 0	0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005	0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	EPA 8260B EPA 8260B EPA 8260B EPA 8260B EPA 8260B EPA 8260B EPA 8260B EPA 8260B	26-Mar-10 26-Mar-10 26-Mar-10 26-Mar-10 26-Mar-10 26-Mar-10 26-Mar-10 26-Mar-10 26-Mar-10
Chloromethane < 0	0.005 0.005 0.005 0.005 0.005 0.005 0.005	0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	EPA 8260B EPA 8260B EPA 8260B EPA 8260B EPA 8260B EPA 8260B EPA 8260B EPA 8260B	26-Mar-10 26-Mar-10 26-Mar-10 26-Mar-10 26-Mar-10 26-Mar-10 26-Mar-10 26-Mar-10
Chloromethane < 0	0.005 0.005 0.005 0.005 0.005 0.005 0.005	0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005	mg/L mg/L mg/L mg/L mg/L mg/L mg/L	EPA 8260B EPA 8260B EPA 8260B EPA 8260B EPA 8260B EPA 8260B EPA 8260B EPA 8260B	26-Mar-10 26-Mar-10 26-Mar-10 26-Mar-10 26-Mar-10 26-Mar-10 26-Mar-10 26-Mar-10
Dibromochloromethane < 0	0.005 0.005 0.005 0.005 0.005 0.005 0.005	0.005 0.005 0.005 0.005 0.005 0.005 0.005	mg/L mg/L mg/L mg/L mg/L mg/L	EPA 8260B EPA 8260B EPA 8260B EPA 8260B EPA 8260B EPA 8260B EPA 8260B	26-Mar-10 26-Mar-10 26-Mar-10 26-Mar-10 26-Mar-10 26-Mar-10
1,1-Dichloroethane < 0	0,005 0,005 0,005 0,005 0,005 0,005	0.005 0.005 0.005 0.005 0.005 0.005 0.005	mg/L mg/L mg/L mg/L mg/L mg/L	EPA 8260B EPA 8260B EPA 8260B EPA 8260B EPA 8260B EPA 8260B	26-Mar-10 26-Mar-10 26-Mar-10 26-Mar-10 26-Mar-10 26-Mar-10
1,2-Dichloroethane < 0	0.005 0.005 0.005 0.005 0.005	0.005 0.005 0.005 0.005 0.005 0.005	mg/L mg/L mg/L mg/L mg/L	EPA 8260B EPA 8260B EPA 8260B EPA 8260B	26-Mar-10 26-Mar-10 26-Mar-10 26-Mar-10
1,1-Dichloroethone < 0	0.005 0.005 0.005 0.005 0.005	0.005 0.005 0.005 0.005 0.005	mg/L mg/L mg/L mg/L	EPA 8260B EPA 8260B EPA 8260B EPA 8260B	26-Mar-10 26-Mar-10 26-Mar-10
cis-1,2-Dichloroethene < 0	1.005 1.005 1.005 1.005	0.005 0.005 0.005 0.005	mg/L mg/L mg/L	EPA 8260B EPA 8260B EPA 8260B	26-Mar-10 26-Mar-10 26-Mar-10
trans-1,2-Dichloroethene < 0).005) 005) 005	0.005 0.005 0.005	mg/L mg/L	EPA 8260B EPA 8260B	26-Mar-10 26-Mar-10
1,2-Dichloropropane < 0	005 005	0.005 0.005	mg/L		
cis-1,3-Dichloropropene < 0	005	0.005			
trans-1,3-Dichloropropene < 0					25-Mar-10
Ethylbenzene < 0	LUUII	0.005	mg/L	EPA 8260B	26-Mar-10
2-Hoxanone < 0	3.005	0.005	mg/L	EPA 8260B	26-Mar-10
4-Methyl-2-pontanone < 0	005	0.005	mg/L	EPA 8260B	26-Mar-10
Styreng	005	0.005	mg/L	EPA 8260B	26-Mar-10
1,1,2,2-Tetrachloroethane < 0	0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Tetrachloroethene < 0 Toluene < 0 1,1,7-Trichloroethane < 0	0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Toluene < 0 1,1,7-Trichloroethane < 0	0.005	0.005	mg/L	EPA 8260B	26-Mar-10
1,1,7-Trichloroethane < 0	005	0.005	mg/L	EPA 8260B	26-Mar-10
	0.005	0.005	mg/L	EPA 8260B	26-Mar-10
	0.005	0.005	mg/L	EPA 8260B	26-Mar-10
	0.005	0.005	mg/L	EPA 8260B	26-Mar-10
	0.002	0.002	mg/L	EPA 8260B	26-Mar-10
	0.010	0.010	mg/L	EPA 8260B	26-Mar-10
	005	0.005	mg/L	EPA 8260B	26-Mar-10
	005	0.005	mg/L	EPA 8260B	26-Mar-10
	0.005	0.005	mg/L	EPA 8260B	26-Mar-10
	005	0.005	mg/L	EPA 8260B	26-Mar-10
n-Propylbenzene < 0		0.005	mg/L	EPA 8260B	26-Mar-10
p Isopropyltoluone < 0	LUCE	0.005	mg/L	EPA 8260B	26-Mar-10

DICKSON CITY INDUSTRIAL PARK 824 ENTERPRISE STREET DICKSON CITY, PA 18519-1593

PHONE: (570) 489-6964

FAX: (570) 489-6965



CABOT-EPA 006838



March 29, 2010

James Pinta **URS** Corporation Foster Plaza 4 501 Holiday Drive, Suite 300 Pittsburgh, PA 15220

Date Sampled: Time Sampled: 24-Mar-10 14:40

Date Received: Sampled by:

24-Mar-10

Andy Mehalko/ URS



PARAMETER	RESULT	UNITS	METHOD	ANALYZED
	7 00.11		ON 4500 111 P	0.4.1.
рΗ	7.82 H	pH units	SM ₂₀ 4500 H* B	24-Mar-10
TSS	< 2.0	mg/L	SM ₂₀ 2540 D	25-Mar-10
TDS	133	mg/L	SM ₂₀ 2540 C	25-Mar-10
Sulfide	< 1	mg/L	EPA 376.2	29-Mar-10
MBAS	< 0.020	mg/L	SM ₂₀ 5540 C	26-Mar-10
Chloride	8.72	mg/L	ASTM D512-89(99)C	26-Mar-10
Total Coliform	< 1	cfu/ 100 ml	SM ₂₀ 9222 B	24-Mar-10
Fecal Coliform	< 1	cfu/ 100 ml	SM ₂₀ 9222 D	24-Mar-10
				18:00

H sample received and analyzed out of EPA prescribed hold time.

Laboratory Director

DICKSON CITY INDUSTRIAL PARK **824 ENTERPRISE STREET DICKSON CITY, PA 18519-1593**

PHONE: (570) 489-6964

FAX: (570) 489-6965



CABOT-EPA 006839



March 29, 2010

James Pinta URS Corporation Foster Plaza 4 501 Holiday Drive, Suite 300 Pittsburgh, PA 15220 Date Sampled:

24-Mar-10

Time Sampled: Date Received:

15:20 24-Mar-10

Sampled by:

Andy Mehalko/ URS

Matrix:

Waste Water

2H-13

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	ANALYZED
Aluminum, total	9.4	0.050	mg/L	EPA 200.7	29-Mar-10
Antimony, total	0.0082	0.0050	mg/L	EPA 200.7	29-Mar-10
Arsenic, total	0.0086	0.0050	mg/L	EPA 200.7	29-Mar-10
Barium, total	14.6	0.010	mg/L	EPA 200.7	29-Mar-10
Beryllium, total	< 0.0010	0.0010	mg/L	EPA 200.7	29-Mar-10
Boron, total	0.057	0.050	mg/L	EPA 200.7	29-Mar-10
Cadmium, total	< 0.0010	0.0010	mg/L	EPA 200.7	29-Mar-10
Calcium, total	34.5	1.0	mg/L	EPA 200.7	29-Mar-10
Chromium, total	0.025	0.0050	mg/L	EPA 200.7	29-Mar-10
Cobalt, total	< 0.0050	0.0050	mg/L	EPA 200.7	29-Mar-10
Copper, total	0.36	0.0050	mg/L	EPA 200.7	29-Mar-10
Iron, total	4.9	0.050	mg/L	EPA 200.7	29-Mar-10
Lead, total	0.14	0.0020	mg/L	EPA 200.7	29-Mar-10
Magnesium, total	5.5	0.20	mg/L	EPA 200.7	29-Mar-10
Manganese, total	0.091	0.0050	mg/L	EPA 200.7	29-Mar-10
Mercury, total	0.00020	0.00020	mg/L	EPA 245.2	29-Mar-10
Molybdenum, total	< 0.020	0.020	mg/L	EPA 200.7	29-Mar-10
Nickel, total	0.019	0.010	mg/L	EPA 200.7	29-Mar-10
Potassium, total	5.6	0.50	mg/L	EPA 200.7	29-Mar-10
Selenium, total	< 0.0050	0.0050	mg/L	EPA 200.7	29-Mar-10
Silver, total	< 0.0010	0.0010	mg/L	EPA 200.7	29-Mar-10
Sodium, total	77.6	1.0	mg/L	EPA 200.7	29-Mar-10
Thallium, total	< 0.010	0.010	rng/L	EPA 200.7	29-Mar-10
Vanadium, total	0.050	0.0050	mg/L	EPA 200.7	29-Mar-10
Zinc, total	0.62	0.010	mg/L	EPA 200.7	29-Mar-10

Joe R. Mussari, III Laboratory Director

DICKSON CITY INDUSTRIAL PARK 824 ENTERPRISE STREET DICKSON CITY, PA 18519-1593

PHONE: (570) 489-6964

FAX: (570) 489-6965



CABOT-EPA 006840



March 29, 2010

James Pinta URS Corporation Foster Plaza 4 501 Holiday Drive, Suite 300 Pittsburgh, PA 15220 Date Sampled: Time Sampled: 24-Mar-10 15:20 24-Mar-10

Date Received: Sampled by:

Andy Mehalko/ URS

Matrix:

Waste Water

2H-13

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	ANALYZED	
Aluminum, dissolved	0.11	0.050	mg/L	EPA 200.7	29-Mar-10	
Antimony, dissolved	< 0.0050	0.0050	mg/L	EPA 200.7	29-Mar-10	
Arsenic, dissolved	< 0.0050	0.0050	mg/L	EPA 200.7	29-Mar-10	
Barium, dissolved	0.52	0.010	mg/L	EPA 200.7	29-Mar-10	
Beryllium, dissolved	< 0.0010	0.0010	mg/L	EPA 200.7	29-Mar-10	
Boron, dissolved	< 0.050	0.050	mg/L	EPA 200.7	29-Mar-10	
Cadmium, dissolved	< 0.0010	0.0010	mg/L	EPA 200.7	29-Mar-10	
Calcium, dissolved	31.8	1.0	mg/L	EPA 200.7	29-Mar-10	
Chromium, dissolved	< 0.0050	0.0050	mg/L	EPA 200.7	29-Mar-10	
Cobalt, dissolved	< 0.0050	0.0050	mg/L	EPA 200.7	29-Mar-10	
Copper, dissolved	0.034	0.0050	mg/L	EPA 200.7	29-Mar-10	
ron, dissolved	0.062	0.050	mg/L	EPA 200.7	29-Mar-10	
Lead, dissolved	0.071	0.0020	mg/L	EPA 200.7	29-Mar-10	
Magnesium, dissolved	4.3	0.20	mg/L	EPA 200.7	29-Mar-10	
Manganese, dissolved	0.032	0.0050	mg/L	EPA 200.7	29-Mar-10	
Mercury, dissolved	< 0.00020	0.00020	mg/L	EPA 245.2	29-Mar-10	
Molybdenum, dissolved	< 0.020	0.020	mg/L	EPA 200.7	29-Mar-10	
Nickel, dissolved	< 0.010	0.010	mg/L	EPA 200.7	29-Mar-10	
Potassium, dissolved	2.4	0.50	mg/L	EPA 200.7	29-Mar-10	
Selenium, dissolved	< 0.0050	0.0050	mg/L	EPA 200.7	29-Mar-10	
Silver, dissolved	< 0.0010	0.0010	mg/L	EPA 200.7	29-Mar-10	
Sodium, dissolved	73.6	1.0	mg/L	EPA 200.7	29-Mar-10	
Thallium, dissolved	< 0.010	0.010	mg/L	EPA 200.7	29-Mar-10	
Vanadium, dissolved	< 0.0050	0.0050	mg/L	EPA 200.7	29-Mar-10	
Zinc, dissolved	0.12	0.010	mg/L	EPA 200.7	29-Mar-10	

Joe R. Mussari. III
Laboratory Director

DICKSON CITY INDUSTRIAL PARK 824 ENTERPRISE STREET DICKSON CITY, PA 18519-1593

PHONE: (570) 489-6964

FAX: (570) 489-6965



CABOT-EPA 006841



March 29, 2010

James Pinta URS Corporation Foster Plaza 4 501 Holiday Drive, Suite 300 Pittsburgh, PA 15220 Date Sampled: Time Sampled: Date Received: 24-Mar-10 15 20 24-Mar-10

Sampled by

Andy Mehalko/ URS

Matrix:

Waste Water

2H-13	
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PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	ANALYZED
Acetone	< 0.010	0 010	mg/L	EPA 8260B	26-Mar-10
Benzena	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Bromodichloromethane	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Bromoform	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Bromomethane	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
2-Butanone	< 0.010	0.010	mg/L	EPA 8260B	26-Mar-10
Carbon Disulfide	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Carbon Tetrachloride	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Chlorobenzene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Chloroethano	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Chloroform	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Chloromethane	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Dibromochloromethane	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
1.1-Dichloroethane	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
1,2-Dichloroothane	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
1,1-Dichloroethene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
is-1.2-Dichlaroethene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
rans-1,2-Dichloroethene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
1,2-Dichloropropane	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
cis-1,3-Dichloropropene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
rans-1,3-Dichloropropene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Ethylbenzeno	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
2-Hoxanone	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
4-Methyl-2-pentanone	< 0.005	0 005	mg/L	EPA 8260B	26-Mar-10
Styrene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
1,1,2,2-Tetrachloroethane	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Telrachloroethene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Toluene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
1.1.1-Trichloroethane	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
1.1.2-Trichloroethane	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Trichloroethene	< 0.005	0.005	rng/L	EPA 8260B	26-Mar-10
Vinyl Chlorido	< 0.002	0.002	mg/L	EPA 8260B	26-Mar-10
n,p-Xylenes	< 0.010	0.010	mg/L	EPA 8260B	26-Mar-10
o-Xvlene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
n-Bulyibenzeno	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
sec-Butylbenzene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Isopropylbenzene	< 0.005	0.005	rng/L	EPA 8260B	26-Mar-10
n-Propylbenzeno	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
p-Isopropyltolueno	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10

DICKSON CITY INDUSTRIAL PARK 824 ENTERPRISE STREET DICKSON CITY, PA 18519-1593

PHONE: (570) 489-6964

FAX: (570) 489-6965



CABOT-EPA 006842

DIM0227454



March 29, 2010

James Pinta URS Corporation Foster Plaza 4 501 Holiday Drive, Suite 300 Pittsburgh, PA 15220 Date Sampled: Time Sampled: Date Received: 24-Mar-10 15:20 24-Mar-10

Sampled by:

Andy Mehalko/ URS

2H-13

PARAMETER	RESULT	UNITS	METHOD	ANALYZED
pН	6.73 H	pH units	SM ₂₀ 4500 H ⁺ B	24-Mar-10
TSS	42.0	mg/L	SM ₂₀ 2540 D	25-Mar-10
TDS	200	mg/L	SM ₂₉ 2540 C	25-Mar-10
Sulfide	< 25	mg/L	EPA 376.2	29-Mar-10
MBAS	< 0.080	mg/L	SM ₂₀ 5540 C	26-Mar-10
Chloride	159	mg/L	ASTM D512-89(99)C	26-Mar-10
Total Coliform	< 1	cfu/ 100 m!	SM ₂₀ 9222 B	24-Mar-10
Fecal Coliform	< 1	cfu/ 100 ml	SM ₂₀ 9222 D	24-Mar-10
				18:00

H sample received and analyzed out of EPA prescribed hold time.

Joe R. Mussari, III Laboratory Director

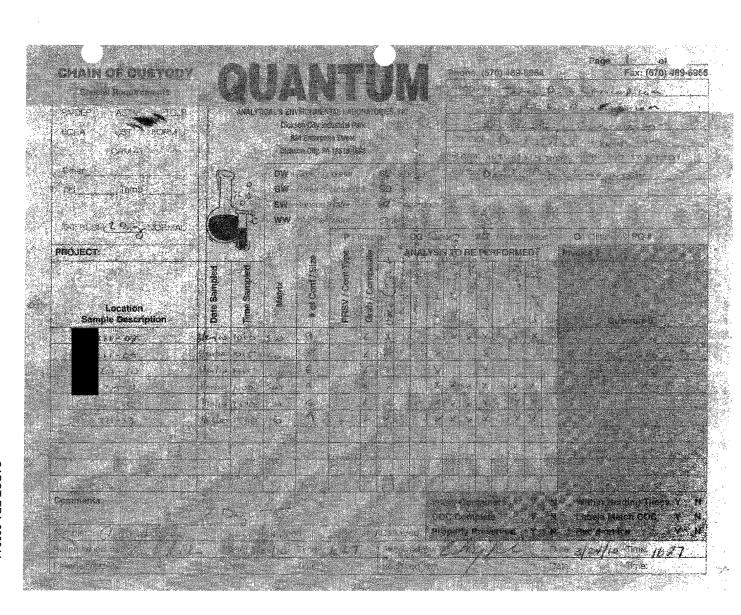
DICKSON CITY INDUSTRIAL PARK 824 ENTERPRISE STREET DICKSON CITY, PA 18519-1593

PHONE: (570) 489-6964

FAX: (570) 489-6965



CABOT-EPA 006843



DIM0228077

ANALYTICAL & ENVIRONMENTAL LABORATORIES, INC.

March 30, 2010

James Pinta URS Corporation Foster Plaza 4 501 Holiday Drive, Suite 300 Pittsburgh, PA 15220 Date Sampled: Time Sampled: Date Received: 25-Mar-10 9:20 25-Mar-10

Sampled by:

Andy Mehalko/ URS

Matrix:

Waste Water

2H-14

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	ANALYZED	
	0.050	0.050	1	F0.1.000 7		
Aluminum, total	< 0.050	0.050	mg/L	EPA 200.7	30-Mar-10	
Antimony, total	< 0.0050	0.0050	mg/L	EPA 200.7	30-Mar-10	
Arsenic, total	< 0.0050	0.0050	mg/L	EPA 200.7	30-Mar-10	
Barium, total	0.037	0.010	mg/∟	EPA 200.7	30-Mar-10	
Beryllium, total	< 0.0010	0.0010	mg/L	EPA 200.7	30-Mar-10	
Boron, total	< 0.050	0.050	mg/L	EPA 200.7	30-Mar-10	
Cadmium, total	< 0.0010	0.0010	mg/L	EPA 200.7	30-Mar-10	
Calcium, total	22.8	1.0	mg/L	EPA 200.7	30-Mar-10	
Chromium, total	< 0.0050	0.0050	mg/L	EPA 200.7	30-Mar-10	
Coball, total	< 0.0050	0.0050	mg/L	EPA 200.7	30-Mar-10	
Copper, total	< 0.0050	0.0050	mg/L	EPA 200.7	30-Mar-10	
Iron, total	0.18	0.050	mg/L	EPA 200.7	30-Mar-10	
Lead, total	< 0.0020	0.0020	mg/L	EPA 200.7	30-Mar-10	
Magnesium, total	4.8	0.20	mg/L	EPA 200.7	30-Mar-10	
Manganese, total	0.044	0.0050	mg/L	EPA 200.7	30-Mar-10	
Mercury, total	< 0.00020	0.00020	mg/L	EPA 245.2	30-Mar-10	
Molybdenum, total	< 0.020	0.020	mg/L	EPA 200.7	30-Mar-10	
Nickel, total	< 0.010	0.010	mg/L	EPA 200.7	30-Mar-10	
Potassium, total	4.4	0.50	mg/L	EPA 200,7	30-Mar-10	
Selenium, total	< 0.0050	0.0050	mg/L	EPA 200.7	30-Mar-10	
Silver, total	< 0.0010	0.0010	mg/L	EPA 200.7	30-Mar-10	
Sodium, total	80.0	1.0	mg/L	EPA 200,7	30-Mar-10	
Thallium, total	< 0.010	0.010	mg/L	EPA 200.7	30-Mar-10	
Vanadium, total	< 0.0050	0.0050	mg/L	EPA 200.7	30-Mar-10	
Zinc, total	< 0.010	0.010	mg/ L	EPA 200.7	30-Mar-10	

Joe R Mussari, III
Laboratory Director

DICKSON CITY INDUSTRIAL PARK 824 ENTERPRISE STREET DICKSON CITY, PA 18519-1593

PHONE: (570) 489-6964

FAX: (570) 489-6965



CABOT-EPA 006845



March 30, 2010

James Pinta URS Corporation Foster Plaza 4 501 Holiday Drive, Suite 300 Pittsburgh, PA 15220 Date Sampled:

25-Mar-10

Time Sampled: Date Received:

9:20 25-Mar-10

Sampled by:

Andy Mehalko/ URS

Matrix:

Waste Water

2H-14

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	ANALYZED
Aluminum, dissolved	< 0.050	0.050	mg/L	EPA 200.7	30-Mar-10
Antimony, dissolved	< 0.0050	0.0050	mg/L	EPA 200.7	30-Mar-10
Arsenic, dissolved	< 0.0050	0.0050	mg/L	EPA 200.7	30-Mar-10
Barium, dissolved	0.044	0.010	mg/L	EPA 200.7	30-Mar-10
Beryllium, dissolved	< 0.0010	0.0010	mg/L	EPA 200.7	30-Mar-10
Boron, dissolved	< 0.050	0.050	mg/L	EPA 200.7	30-Mar-10
Cadmium, dissolved	< 0.0010	0.0010	mg/L	EPA 200.7	30-Mar-10
Calcium, dissolved	22.0	1.0	mg/L	EPA 200.7	30-Mar-10
Chromium, dissolved	< 0.0050	0.0050	mg/L	EPA 200.7	30-Mar-10
Cobalt. dissolved	< 0.0050	0.0050	mg/L	EPA 200.7	30-Mar-10
Copper, dissolved	< 0.0050	0.0050	mg/L	EPA 200.7	30-Mar-10
tron, dissolved	< 0.050	0.050	mg/L	EPA 200.7	30-Mar-10
Lead, dissolved	0.0022	0.000	mg/L	EPA 200.7	30-Mar-10
Magnesium, dissolved	4.6	0.20	mg/L	EPA 200.7	30-Mar-10
Manganese, dissolved	0.033	0.0050	mg/L	EPA 200.7	30-Mar-10
Mercury, dissolved	< 0.00020	0.00020	mg/L	EPA 245.2	30-Mar-10
Molybdenum, dissolved	< 0.00020	0.00020	mg/L	EPA 200.7	30-Mar-10
Nickel, dissolved	< 0.020	0.020	mg/L	EPA 200.7	30-Mar-10
,	4.2	0.50	mg/L	EPA 200.7	30-Mar-10
Potassium, dissolved	< 0.0050	0.0050	-	EPA 200.7	30-Mar-10
Sefenium, dissolved	< 0.0030	0.0030	mg/L	EPA 200.7	30-Mar-10
Silver, dissolved			mg/L		30-Mar-10
Sodium, dissolved	78.1	1.0	mg/L	EPA 200.7	
Thallium, dissolved	< 0.010	0 010	mg/L	EPA 200.7	30-Mar-10
Vanadium, dissolved	< 0.0050	0.0050	mg/L	EPA 200.7	30-Mar-10
Zinc, dissolved	< 0.010	0.010	mg/L	EPA 200.7	30-Mar-10

Joe R. Mussari, III Laboratory Director

DICKSON CITY INDUSTRIAL PARK 824 ENTERPRISE STREET DICKSON CITY, PA 18519-1593

PHONE: (570) 489-6964

FAX: (570) 489-6965



CABOT-EPA 006846

ANALYTICAL & ENVIRONMENTAL LABORATORIES, INC.

March 30, 2010

James Pinta URS Corporation Foster Plaza 4 501 Holiday Drive, Suite 300 Pittsburgh, PA 15220 Date Sampled Time Sampled: Date Received. Sampled by: 25-Mar-10 9:20 25-Mar-10 Andy Mehalko/ URS

Matrix:

Waste Water

2H-14

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	ANALYZED
Acetone	< 0.010	0.010	mg/L	EPA 8260B	26-Mar-10
Benzene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Bromodichloromethane	< 0.005	0.005		EPA 8260B	26-Mar-10
Bromoform	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10 26-Mar-10
		0.005	mg/L		
Bromomethane	< 0.005		mg/L	EPA 8260B	26-Mar-10
2-Butanone	< 0.010	0.010	mg/L	EPA 8260B	26-Mar-10
Carbon Disulfide	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Carbon Tetrachloride	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Chlorobenzene	< 0 005	0.005	mg/L	EPA 8260B	26-Mar-10
Chloroethane	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Chloroform	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Chloromethane	< 0 005	0.005	mg/L	EPA 8260B	26-Mar-10
Dibromochloromethane	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
1,1-Dichloroethane	< 0 005	0.005	mg/L	EPA 8260B	26-Mar-10
1,2-Dichloroethane	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
1,1-Dichloroethene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
cis-1,2-Dichloroethene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
trans-1,2-Dichloroethene	< 0 005	0.005	mg/L	EPA 8260B	26-Mar-10
1,2-Dichloropropane	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
cis-1,3-Dichloropropene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
trans-1,3-Dichloropropene	< 0 005	0.005	mg/L	EPA 8260B	26-Mar-10
Ethylbenzene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
2-Hexanone	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
4-Methyl-2-pentanone	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Styrene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
1,1,2,2-Tetrachloroethane	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Tetrachloroethene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Toluene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
1,1,1-Trichloroethane	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
1.1.2-Trichloroethane	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Trichloroethene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Vinyl Chloride	< 0.002	0.002	mg/L	EPA 8260B	26-Mar-10
m.p-Xylenes	< 0.010	0.010	mg/L	EPA 8260B	26-Mar-10
o-Xylene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
n-Butylbenzono	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
sec-Butylbenzene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Isopropylbenzene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
n-Propylbonzene	< 0.005	0.005	rng/L	EPA 8260B	26-Mar-10
p-Isopropyltoluene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
p-isopropynoiuene	V 0 003	0.003	mg/L	EF# 0200B	20-10/21-10

DICKSON CITY INDUSTRIAL PARK 824 ENTERPRISE STREET DICKSON CITY, PA 18519-1593

PHONE: (570) 489-6964

FAX: (570) 489-6965



CABOT-EPA 006847



March 30, 2010

James Pinta URS Corporation Foster Plaza 4 501 Holiday Drive, Suite 300 Pittsburgh, PA 15220 Date Sampled:

25-Mar-10

Time Sampled: Date Received:

9:20 25-Mar-10

Sampled by:

Andy Mehalko/ URS

2H-14

PARAMETER	RESULT	UNITS	METHOD	ANALYZED
рН	7.10 H	pH units	SM ₂₀ 4500 H ⁺ B	25-Mar-10
TSS	3.5	mg/L	SM ₂₀ 2540 D	26-Mar-10
TDS	180	mg/L	SM ₂₀ 2540 C	26-Mar-10
Sulfide	< 5	mg/L	EPA 376.2	29-Mar-10
MBAS	< 0.040	mg/L	SM ₂₀ 5540 C	26-Mar-10
Chloride	146	mg/L	ASTM D512-89(99)C	30-Mar-10
Total Coliform	TNTC	cfu/ 100 ml	SM ₂₀ 9222 B	25-Mar-10
Fecal Coliform	16 H	cfu/ 100 ml	SM ₂₀ 9222 D	25-Mar-10
				18:00

H sample received and analyzed out of EPA prescribed hold time. TNTC Too Numerous To Count

Joe R. Mussari, III Laboratory Director

DICKSON CITY INDUSTRIAL PARK 824 ENTERPRISE STREET DICKSON CITY, PA 18519-1593

PHONE: (570) 489-6964

FAX: (570) 489-6965



CABOT-EPA 006848



March 30, 2010

James Pinta URS Corporation Foster Plaza 4 501 Holiday Drive, Suite 300 Pittsburgh, PA 15220 Date Sampled:

25-Mar-10

Time Sampled: Date Received:

9:40 25-Mar-10

Sampled by:

Andy Mehalko/ URS

Matrix:

Solid

2	Н	-1	5

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	ANALYZED	
	5000	8.9		EPA 6010B	29-Mar-10	, , , , , , , , , , , , , , , , , , , ,
Aluminum		0.45	mg/Kg	EPA 6010B	29-Mar-10 29-Mar-10	
Antimony	< 0.45		mg/Kg		29-Mar-10 29-Mar-10	
Arsenic	3.3	0.45	mg/Kg	EPA 6010B		
Barium	32.4	1.8	mg/Kg	EPA 6010B	29-Mar-10	
Beryllium	< 0.18	0.18	mg/Kg	EPA 6010B	29-Mar-10	
Boron	< 4.5	4.5	mg/Kg	EPA 6010B	29-Mar-10	
Cadmium	< 0.18	0.18	mg/Kg	EPA 6010B	29-Mar-10	
Calcium	875	179	mg/Kg	EPA 6010B	29-Mar-10	
Chromium	4.9	0.45	mg/Kg	EPA 6010B	29-Mar-10	
Cobalt	2.9	0.89	mg/Kg	EPA 6010B	29-Mar-10	
Copper	5.2	0.89	mg/Kg	EPA 6010B	29-Mar-10	
Iron	7620	8.9	mg/Kg	EPA 6010B	29-Mar-10	
Lead	9.1	0.45	mg/Kg	EPA 6010B	29-Mar-10	
Magnesium -	879	44.6	mg/Kg	EPA 6010B	29-Mar-10	
Manganese	230	0.89	mg/Kg	EPA 6010B	29-Mar-10	
Mercury	< 0.10	0.10	mg/Kg	EPA 7471	29-Mar-10	
Molybdenum	< 1.8	1.8	mg/Kg	EPA 6010B	29-Mar-10	
Nickel	4.2	1.8	mg/Kg	EPA 6010B	29-Mar-10	
Potassium	516	44.6	mg/Kg	EPA 6010B	29-Mar-10	
Selenium	0.45	0.45	mg/Kg	EPA 6010B	29-Mar-10	
Silver	0.26	0.18	mg/Kg	EPA 6010B	29-Mar-10	
Sodium	< 446	446	mg/Kg	EPA 6010B	29-Mar-10	
Thallium	< 1.8	18	mg/Kg	EPA 6010B	29-Mar-10	
Vanadium	7.8	0.89	mg/Kg	EPA 6010B	29-Mar-10	
Zinc	31.3	0.89	mg/Kg	EPA 6010B	29-Mar-10	

Results reported on a "wet-weight" basis

Slog R: Mussari, Til

Laboratory Director

DICKSON CITY INDUSTRIAL PARK 824 ENTERPRISE STREET DICKSON CITY, PA 18519-1593

PHONE: (570) 489-6964

FAX: (570) 489-6965



CABOT-EPA 006849



March 30, 2010

James Pinta URS Corporation Foster Plaza 4 501 Holiday Drive, Suite 300 Pittsburgh, PA 15220 Date Sampled

25-Mar-10

Time Sampled: Date Received:

9⁻40 25-Mar-10

Sampled by:

Andy Mehalko/ URS

Matrix:

Solid

2H-15

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	ANALYZED
				+	
Acetone	0.172	0 012	mg/Kg	EPA 8260B	29-Mar-10
Benzene	< 0.006	0.006	mg/Kg	EPA 8260B	29-Mar-10
Bromodichioromethane	< 0.006	0.006	mg/Kg	EPA 8260B	29-Mar-10
Bromoform	< 0 006	0.006	mg/Kg	EPA 8260B	29-Mar-10
Bromomethane	< 0.006	0.006	mg/Kg	EPA 8260B	29-Mar-10
2-Butanone	0.012	0.012	mg/Kg	EPA 8260B	29-Mar-10
Carbon Disulfide	< 0.006	0.006	mg/Kg	EPA 8260B	29-Mar-10
Carbon Tetrachloride	< 0 006	0.006	mg/Kg	EPA 8260B	29-Mar-10
Chlorobenzene	< 0.006	0.006	mg/Kg	EPA 8260B	29-Mar-10
Chloroethane	< 0.006	0.006	mg/Kg	EPA 8260B	29-Mar-10
Chloroform	< 0 006	0.006	mg/Kg	EPA 8260B	29-Mar-10
Chloromethane	< 0.006	0 006	mg/Kg	EPA 8260B	29-Mar-10
Dibromochloromethane	< 0.006	0.006	mg/Kg	EPA 8260B	29-Mar-10
1,1-Dichloroethane	< 0.006	0 006	mg/Kg	EPA 8260B	29-Mar-10
1,2-Dichloroethane	< 0.006	0.006	mg/Kg	EPA 8260B	29-Mar-10
1,1-Dichloroethene	< 0.006	0.006	mg/Kg	EPA 8260B	29-Mar-10
cis-1,2-Dichloroothene	< 0.006	0 006	mg/Kg	EPA 8260B	29-Mar-10
trans-1,2-Dichloroethene	< 0.006	0.006	mg/Kg	EPA 8260B	29-Mar-10
1,2-Dichloropropane	< 0.006	0.006	mg/Kg	EPA 8260B	29-Mar-10
cis-1,3-Dichloropropene	< 0.006	0.006	mg/Kg	EPA 8260B	29-Mar-10
trans-1,3-Dichloropropene	< 0.006	0.006	mg/Kg	EPA 8260B	29-Mar-10
Ethylbenzene	< 0.006	0.006	mg/Kg	EPA 8260B	29-Mar-10
2-Hexanone	< 0.012	0.012	mg/Kg	EPA 8260B	29-Mar-10
4-Methyl-2-pentanone	< 0.012	0.012	mg/Kg	EPA 8260B	29-Mar-10
Styrene	< 0.006	0.006	mg/Kg	EPA 8260B	29-Mar-10
1,1,2,2-Tetrachloroethane	< 0.006	0.006	mg/Kg	EPA 8260B	29-Mar-10
Tetrachloroethene	< 0.006	0.006	mg/Kg	EPA 8260B	29-Mar-10
Toluene	< 0.006	0.006	mg/Kg	EPA 8260B	29-Mar-10
1,1,1-Trichloroethane	< 0.006	0.006	mg/Kg	EPA 8260B	29-Mar-10
1,1,2-Trichloroethano	< 0.006	0.006	mg/Kg	EPA 8260B	29-Mar-10
Trichloroethene	< 0.006	0.006	mg/Kg	EPA 8260B	29-Mar-10
Vinyl Chloride	< 0.006	0 006	mg/Kg	EPA 8260B	29-Mar-10
m.p-Xylenes	< 0.012	0.012	mg/Kg	EPA 8260B	29-Mar-10
o-Xylone	< 0.006	0.006	mg/Kg	EPA 8260B	29-Mar-10
n-Butylbenzene	< 0.006	0.006	mg/Kg	EPA 8260B	29-Mar-10
sec-Butylbenzene	< 0.006	0.006	mg/Kg	EPA 8260B	29-Mar-10
Isopropylbenzene	< 0.006	0.006	mg/Kg	EPA 8260B	29-Mar-10
n-Propylbenzene	< 0.006	0.006	mg/Kg	EPA 8260B	29-Mar-10
p-Isopropyltoluene	< 0.006	0.006	mg/Kg	EPA 8260B	29-Mar-10

Results reported on a "wet-weight" basis

One internal standard recovery associated with this sample exceeded the lower control limit. The reported results should be considered biased high

DICKSON CITY INDUSTRIAL PARK 824 ENTERPRISE STREET DICKSON CITY, PA 18519-1593

PHONE: (570) 489-6964

FAX: (570) 489-6965



CABOT-EPA 006850



March 30, 2010

James Pinta URS Corporation Foster Plaza 4 501 Holiday Drive, Suite 300 Pittsburgh, PA 15220 Date Sampled: Time Sampled: Date Received: 25-Mar-10 9:40 25-Mar-10

Sampled by:

Andy Mehalko/ URS

2H-15

PARAMETER	RESULT	UNITS	METHOD	ANALYZED
ASTM				
Sulfide	< 25	mg/L	EPA 376.2	30-Mar-10
MBAS	< 0.080	mg/L	SM ₂₀ 5540 C	30-Mar-10
Chloride	14.1	mg/L	ASTM D512-89(99)C	30-Mar-10

Joe R. Mussari, III Laboratory Director

DICKSON CITY INDUSTRIAL PARK 824 ENTERPRISE STREET DICKSON CITY, PA 18519-1593

PHONE: (570) 489-6964

FAX: (570) 489-6965



CABOT-EPA 006851



March 30, 2010

James Pinta URS Corporation Foster Plaza 4 501 Holiday Drive, Suite 300 Pittsburgh, PA 15220

Date Sampled:

25-Mar-10

Time Sampled: Date Received:

9:55 25-Mar-10

Sampled by:

Andy Mehalko/ URS -

Matrix:

Waste Water

2H-16

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	ANALYZED
Aluminum, total	< 0.050	0.050	mg/L	EPA 200.7	30-Mar-10
Antimony, total	< 0.0050	0.0050	mg/L	EPA 200.7	30-Mar-10
Arsenic, total	< 0.0050	0.0050	mg/L	EPA 200.7	30-Mar-10
Barium, total	0.037	0.010	mg/L	EPA 200.7	30-Mar-10
Beryllium, total	< 0.0010	0.0010	mg/L	EPA 200.7	30-Mar-10
Boron, total	< 0.050	0.050	mg/L	EPA 200.7	30-Mar-10
Cadmium, total	< 0.0010	0.0010	mg/L	EPA 200.7	30-Mar-10
Calcium, total	22.2	1.0	mg/L	EPA 200.7	30-Mar-10
Chromium, total	< 0.0050	0.0050	mg/L	EPA 200.7	30-Mar-10
Cobalt, total	< 0.0050	0.0050	mg/L	EPA 200.7	30-Mar-10
Copper, total	< 0.0050	0.0050	mg/L	EPA 200.7	30-Mar-10
Iron, total	0.14	0.050	mg/L	EPA 200.7	30-Mar-10
Lead, total	< 0.0020	0.0020	mg/L	EPA 200.7	30-Mar-10
Magnesium, total	4.8	0.20	mg/L	EPA 200.7	30-Mar-10
Manganese, total	0.053	0.0050	mg/L	EPA 200.7	30-Mar-10
Mercury, total	< 0.00020	0.00020	mg/L	EPA 245.2	30-Mar-10
Molybdenum, total	< 0.020	0.020	mg/L	EPA 200.7	30-Mar-10
Nickel, total	< 0.010	0.010	mg/L	EPA 200.7	30-Mar-10
Potassium, total	4.6	0.50	mg/L	EPA 200.7	30-Mar-10
Selenium, total	< 0.0050	0.0050	mg/L	EPA 200.7	30-Mar-10
Silver, total	< 0.0010	0.0010	mg/L	EPA 200.7	30-Mar-10
Sodium, total	77.6	1.0	mg/L	EPA 200.7	30-Mar-10
Thallium, total	< 0.010	0.010	mg/L	EPA 200.7	30-Mar-10
Vanadium, total	< 0.0050	0.0050	mg/L	EPA 200.7	30-Mar-10
Zinc, total	< 0.010	0.010	mg/L	EPA 200.7	30-Mar-10

Joe R. Mussari, III Laboratory Director

DICKSON CITY INDUSTRIAL PARK 824 ENTERPRISE STREET DICKSON CITY, PA 18519-1593

PHONE: (570) 489-6964

FAX: (570) 489-6965



CABOT-EPA 006852

ANALYTICAL & ENVIRONMENTAL LABORATORIES, INC.

March 30, 2010

James Pinta URS Corporation Foster Plaza 4 501 Holiday Drive, Suite 300 Pittsburgh, PA 15220 Date Sampled: Time Sampled: Date Received: 25-Mar-10 9:55 25-Mar-10

Sampled by:

Andy Mehalko/ URS

Matrix:

Waste Water

2H-16

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	ANALYZED
Aluminum, dissolved	< 0.050	0.050	mg/L	EPA 200.7	30-Mar-10
Antimony, dissolved	< 0.0050	0.0050	mg/L	EPA 200.7	30-Mar-10
Arsenic, dissolved	< 0.0050	0.0050	mg/L	EPA 200.7	30-Mar-10
Barium, dissolved	0.041	0.010	mg/L	EPA 200.7	30-Mar-10
Beryllium, dissolved	< 0.0010	0.0010	mg/L	EPA 200.7	30-Mar-10
Boron, dissolved	< 0.050	0.050	mg/L	EPA 200.7	30-Mar-10
Cadmium, dissolved	< 0.0010	0.0010	mg/L	EPA 200.7	30-Mar-10
Calcium, dissolved	22.1	1.0	mg/L	EPA 200.7	30-Mar-10
Chromium, dissolved	< 0.0050	0.0050	mg/L	EPA 200.7	30-Mar-10
Cobalt, dissolved	< 0.0050	0.0050	mg/L	EPA 200.7	30-Mar-10
Copper, dissolved	< 0.0050	0.0050	mg/L	EPA 200.7	30-Mar-10
Iron, dissolved	0.14	0.050	mg/L	EPA 200.7	30-Mar-10
Lead, dissolved	< 0.0020	0.0020	mg/L	EPA 200.7	30-Mar-10
Magnesium, dissolved	4.8	0.20	mg/L	EPA 200.7	30-Mar-10
Manganese, dissolved	0.043	0.0050	mg/L	EPA 200.7	30-Mar-10
Mercury, dissolved	< 0.00020	0.00020	mg/L	EPA 245.2	30-Mar-10
Molybdenum, dissolved	< 0.020	0.020	mg/L	EPA 200.7	30-Mar-10
Nickel, dissolved	< 0.010	0.010	mg/L	EPA 200.7	30-Mar-10
Potassium, dissolved	4.6	0.50	mg/L	EPA 200.7	30-Mar-10
Selenium, dissolved	< 0.0050	0.0050	mg/L	EPA 200.7	30-Mar-10
Silver, dissolved	< 0.0010	0.0010	mg/L	EPA 200.7	30-Mar-10
Sodium, dissolved	77.1	1.0	mg/L	EPA 200.7	30-Mar-10
Thallium, dissolved	< 0.010	0.010	mg/L	EPA 200.7	30-Mar-10
Vanadium, dissolved	< 0.0050	0.0050	mg/L	EPA 200.7	30-Mar-10
Zinc, dissolved	< 0.010	0.010	mg/L	EPA 200.7	30-Mar-10

Joe R. Mussari, III Laboratory Director

DICKSON CITY INDUSTRIAL PARK 824 ENTERPRISE STREET DICKSON CITY, PA 18519-1593

PHONE: (570) 489-6964

FAX: (570) 489-6965



CABOT-EPA 006853



March 30, 2010

James Pinta URS Corporation Foster Plaza 4 501 Holiday Drive, Suite 300 Pittsburgh, PA 15220 Date Sampled. Time Sampled:

25-Mar-10 9:55 25-Mar-10

Date Received: Sampled by:

Andy Mehalko/ URS

Matrix:

Waste Water

2H-16

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	ANALYZED
Acetone	< 0.010	0.010	mg/L	EPA 8260B	26-Mar-10
Benzene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Bromodichloromethane	< 0.005	0.005	ma/L	EPA 8260B	26-Mar-10
Bromotorm	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Bromomethano	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
2-Butanone	< 0.010	0.010	mg/L	EPA 8260B	26-Mar-10
Carbon Disulfide	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Carbon Tetrachloride	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Chlorobenzene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Chloroethane	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Chloroform	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Chloromethane	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Dibromochloromothane	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
1.1-Dichloroethane	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
1.2-Dichloroethane	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
1.1-Dichloroethene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
cis-1,2-Dichloroethene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
trans-1,2-Dichloroethene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
1,2-Dichloropropane	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
cis-1,3-Dichloropropene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
trans-1,3-Dichforopropene	< 0.005	0 005	mg/L	EPA 8260B	26-Mar-10
Ethylbenzeno	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
2-Hexanone	< 0.005	0.005		EPA 8260B	26-Mar-10
	< 0.005	0 005	mg/L	EPA 8260B	26-Mar-10 26-Mar-10
4-Methyl-2-pentanone	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10 26-Mar-10
Styrene	< 0.005	0.005	mg/L		
1,1,2,2-Tetrachloroethane			mg/L	EPA 8260B	26-Mar- 10
Tetrachloroethene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Toluene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10 26-Mar-10
1,1,1-Trichloroothane	< 0.005	0.005	mg/L	EPA 8260B	
1,1,2-Trichloroethane	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Trichloroethene	< 0.005	0 005	mg/L	EPA 8260B	26-Mar-10
Vinyl Chloride	< 0.002	0.002	mg/L	EPA 8260B	26-Mar-10
m,p-Xylenes	< 0 010	0.010	mg/L	EPA 8260B	26-Mar-10
o-Xylene	< 0 005	0.005	mg/L	EPA 8260B	26-Mar-10
n-Butylbenzene	< 0 005	0 005	mg/L	EPA 8260B	26-Mar-10
sec-Butylbenzene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Isopropylbenzone	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
n-Propylbenzens	< 0 005	0.005	mg/L	EPA 8260B	26-Mar-10
p-Isopropyltoluene	< 0 005	0.005	ing:L	EPA 8260B	26-Mar-10

DICKSON CITY INDUSTRIAL PARK 824 ENTERPRISE STREET DICKSON CITY, PA 18519-1593

PHONE: (570) 489-6964

FAX: (570) 489-6965



CABOT-EPA 006854



March 30, 2010

James Pinta URS Corporation Foster Plaza 4 501 Holiday Drive, Suite 300 Pittsburgh, PA 15220 Date Sampled: Time Sampled: Date Received: 25-Mar-10 9:55 25-Mar-10

Sampled by:

Andy Mehalko/ URS

2H-16

PARAMETER	RESULT	UNITS	METHOD	ANALYZED
	7.04.11		O11 4500 Lt [†] D	05.14
pΗ	7.24 H	pH units	SM ₂₀ 4500 H ⁺ B	25-Mar-10
TSS	< 2.0	mg/L	SM ₂₀ 2540 D	26-Mar-10
TDS	208	mg/L	SM ₂₀ 2540 C	26-Mar-10
Sulfide	< 5	mg/L	EPA 376.2	29-Mar-10
MBAS	< 0.020	mg/L	SM ₂₀ 5540 C	26-Mar-10
Chloride	122	mg/L	ASTM D512-89(99)C	30-Mar-10
Total Coliform	292	cfu/ 100 ml	SM ₂₀ 9222 B	25-Mar-10
Fecal Coliform	0 H	cfu/ 100 ml	SM ₂₀ 9222 D	25-Mar-10
				18:00

H sample received and analyzed out of EPA prescribed hold time.

Joe R. Mussari, III Laboratory Director

DICKSON CITY INDUSTRIAL PARK
824 ENTERPRISE STREET
DICKSON CITY, PA 18519-1593
PHONE: (570) 489-6964
FAX: (570) 489-6965

CABOT-EPA 006855



March 30, 2010

James Pinta URS Corporation Foster Plaza 4 501 Holiday Drive, Suite 300 Pittsburgh, PA 15220 Date Sampled: Time Sampled: 25-Mar-10 10:10

Date Received: Sampled by:

25-Mar-10 Andy Mehalko/ URS

Matrix:

aray monunc

Solid

2H-1	7
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PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	ANALYZED
Aluminum	2530	7.0	mg/Kg	EPA 6010B	29-Mar-10
Antimony	< 0.35	0.35	mg/Kg	EPA 6010B	29-Mar-10
Arsenic Arsenic	1.9	0.35	mg/Kg	EPA 6010B	29-Mar-10
Barium	36.8	1.4	mg/Kg	EPA 6010B	29-Mar-10
Beryllium	< 0.14	0.14	mg/Kg	EPA 6010B	29-Mar-10
Boron	< 3.5	3.5	mg/Kg	EPA 6010B	29-Mar-10
Cadmium	< 0.14	0.14	mg/Kg	EPA 6010B	29-Mar-10
Calcium	428	141	mg/Kg	EPA 6010B	29-Mar-10
Chromium	2.6	0.35	mg/Kg	EPA 6010B	29-Mar-10
Cobalt	2.4	0.70	mg/Kg	EPA 6010B	29-Mar-10
Copper	3.9	0.70	mg/Kg	EPA 6010B	29-Mar-10
Iron	5460	7.0	mg/Kg	EPA 6010B	29-Mar-10
Lead	4.9	0.35	mg/Kg	EPA 6010B	29-Mar-10
Magnesium	648	35.2	mg/Kg	EPA 6010B	29-Mar-10
Manganese	541	0.70	mg/Kg	EPA 6010B	29-Mar-10
Mercury	< 0.094	0.094	mg/Kg	EPA 7471	29-Mar-10
Molybdenum	< 1.4	1.4	mg/Kg	EPA 6010B	29-Mar-10
Nickel	3 5	1.4	mg/Kg	EPA 6010B	29-Mar-10
Potassium	520	35.2	mg/Kg	EPA 6010B	29-Mar-10
Selenium	< 0.35	0.35	mg/Kg	EPA 6010B	29-Mar-10
Silver	0.24	0.14	mg/Kg	EPA 6010B	29-Mar-10
Sodium	< 352	352	mg/Kg	EPA 6010B	29-Mar-10
Thallium	< 1.4	1.4	mg/Kg	EPA 6010B	29-Mar-10
Vanadium	3.5	0.70	mg/Kg	EPA 6010B	29-Mar-10
Zinc	31.0	0.70	mg/Kg	EPA 6010B	29-Mar-10

Results reported on a "wet-weight" basis

Joe R. Mussari, III

DICKSON CITY INDUSTRIAL PARK

824 ENTERPRISE STREET

DICKSON CITY, PA 18519-1593

PHONE: (570) 489-6964

FAX: (570) 489-6965



CABOT-EPA 006856



March 30, 2010

James Pinta URS Corporation Foster Plaza 4 501 Holiday Drive, Suite 300 Pittsburgh, PA 15220 Date Sampled: Time Sampled: Date Received. 25-Mar-10 10:10 25-Mar-10

Sampled by.

Andy Mehalko/ URS

Matrix:

Solid

2H-17

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	ANALYZED
Acetone	0.268	0.012	mg/Kg	EPA 8260B	29-Mar-10
Benzene	< 0.006	0.006		EPA 8260B	29-Mar-10
Bromodichloromethane	< 0.006	0.006	mg/Kg mg/Kg	EPA 8260B	29-Mar-10 29-Mar-10
Bromoform	< 0.006	0.006	mg/Kg	EPA 8260B	29-Mar-10 29-Mar-10
	< 0.005	0.006		EPA 8260B	
Bromomethane	< 0.005	0.006	mg/Kg	EPA 8260B	29-Mar-10 29-Mar-10
2-Butanone	< 0.012 < 0.006	0.012	mg/Kg	EPA 8260B	29-Mar-10 29-Mar-10
Carbon Disulfide			mg/Kg		
Carbon Tetrachloride	< 0.006	0.006	mg/Kg	EPA 8260B	29-Mar-10
Chlorobenzene	< 0.006	0.006	mg/Kg	EPA 8260B	29-Mar-10
Chloroethane	< 0.006	0.006	mg/Kg	EPA 8260B	29-Mar-10
Chloroform	< 0.006	0.006	mg/Kg	EPA 8260B	29-Mar-10
Chloromethane	< 0.006	0.006	mg/Kg	EPA 8260B	29-Mar-10
Dibromochloromethane	< 0.006	0.006	mg/Kg	EPA 8260B	29-Mar-10
1,1-Dichloroethane	< 0.006	0 006	mg/Kg	EPA 8260B	29-Mar-10
1,2-Dichloroethane	< 0.006	0.006	mg/Kg	EPA 8260B	29-Mar-10
1,1-Dichloroethene	< 0.006	0.006	mg/Kg	EPA 8260B	29-Mar-10
cis-1,2-Dichloroethene	< 0.006	0.006	mg/Kg	EPA 8260B	29-Mar-10
trans-1,2-Dichloroethene	< 0.006	0.006	mg/Kg	EPA 8260B	29-Mar-10
1,2-Dichloropropane	< 0.006	0.006	mg/Kg	EPA 8260B	29-Mar-10
cis-1,3-Dichloropropene	< 0.006	0.006	mg/Kg	EPA 8260B	29-Mar-10
trans-1,3-Dichloropropene	< 0.006	0.006	mg/Kg	EPA 8260B	29-Mar-10
Ethylbenzene	< 0.006	0.006	mg/Kg	EPA 8260B	29-Mar-10
2-Hexanone	< 0.012	0.012	mg/Kg	EPA 8260B	29-Mar-10
4-Methyl-2-pentanone	< 0.012	0.012	mg/Kg	EPA 8260B	29-Mar-10
Styrene	< 0.006	0.006	mg/Kg	EPA 8260B	29-Mar-10
1,1,2,2-Tetrachloroethane	< 0.006	0.006	mg/Kg	EPA 8260B	29-Mar-10
Tetrachloroethene	< 0.006	0.006	mg/Kg	EPA 8260B	29-Mar-10
Toluene	< 0.006	0.006	mg/Kg	EPA 8260B	29-Mar-10
1.1.1-Trichloroethane	< 0.006	0.006	mg/Kg	EPA 8260B	29-Mar-10
1.1.2-Trichloroethane	< 0 006	0.006	mg/Kg	EPA 8260B	29-Mar-10
Trichloroethene	< 0.006	0.006	mg/Kg	EPA 8260B	29-Mar-10
Vinyl Chlorido	< 0.006	0.006	mg/Kg	EPA 8260B	29-Mar-10
m,p-Xylenes	< 0.003	0.012	mg/Kg	EPA 8260B	29-Mar-10
o-Xylene	< 0.006	0.006	mg/Kg	EPA 8260B	29-Mar-10
n-Butylbenzerie	< 0.006	0.006	mg/Kg	EPA 8260B	29-Mar-10
sec-Butvibenzene	< 0.006	0.006	mg/Kg	EPA 8260B	29-Mar-10
Isopropylbenzene	< 0.006	0.006	ing/Kg	EPA 8260B	29-Mar-10
n-Propyibenzone	< 0.006	0.006	mg/Kg	EPA 8260B	29-Mar-10
p-Isopropyltoluone	< 0.006	0.006	mg/Kg	EPA 8260B	29-Mar-10
p-isopi o pyitoiduite	~ 0.000	0.000	mg/ng	EFA 0200B	20-War-10

Results reported on a "wet-weight" basis

One internal standard recovery associated with this sample exceeded the lower control limit. The reported results should be considered biased high.

DICKSON CITY INDUSTRIAL PARK 824 ENTERPRISE STREET DICKSON CITY, PA 18519-1593

PHONE: (570) 489-6964

FAX: (570) 489-6965



CABOT-EPA 006857



March 30, 2010

James Pinta URS Corporation Foster Plaza 4 501 Holiday Drive, Suite 300 Pittsburgh, PA 15220 Date Sampled: Time Sampled: Date Received:

25-Mar-10 10:10 25-Mar-10

Sampled by:

Andy Mehalko/ URS

2H-17

PARAMETER	RESULT	UNITS	METHOD	ANALYZED
ASTM			,	
Sulfide	< 25	mg/L	EPA 376.2	30-Mar-10
MBAS	< 0.100	mg/L	SM ₂₀ 5540 C	30-Mar-10
Chloride	17.8	mg/L	ASTM D512-89(99)C	30-Mar-10

Joe R. Mussari, III Laboratory Director

DICKSON CITY INDUSTRIAL PARK 824 ENTERPRISE STREET DICKSON CITY, PA 18519-1593

PHONE: (570) 489-6964

FAX: (570) 489-6965



CABOT-EPA 006858



March 30, 2010

James Pinta URS Corporation Foster Plaza 4 501 Holiday Drive, Suite 300 Pittsburgh, PA 15220 Date Sampled: Time Sampled: Date Received: 25-Mar-10 10.45 25-Mar-10

Sampled by:

Andy Mehalko/ URS

Matrix:

Solid

2H-18

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	ANALYZED
Aluminum	7150	6.6	mg/Kg	EPA 6010B	29-Mar-10
Antimony	< 0.33	0.33	mg/Kg	EPA 6010B	29-Mar-10
Arsenic	5.3	0.33	mg/Kg	EPA 6010B	29-Mar-10
Barium	345	1.3	mg/Kg	EPA 6010B	29-Mar-10
Beryllium	0.33	0.13	mg/Kg	EPA 6010B	29-Mar-10
Boron	4.6	3.3	mg/Kg	EPA 6010B	29-Mar-10
Cadmium	< 0.13	0.13	mg/Kg	EPA 6010B	29-Mar-10
Calcium	1260	132	mg/Kg	EPA 6010B	29-Mar-10
Chromium	8.5	0.33	mg/Kg	EPA 6010B	29-Mar-10
Cobalt	5.7	0.66	mg/Kg	EPA 6010B	29-Mar-10
Copper	11.6	0.66	mg/Kg	EPA 6010B	29-Mar-10
tron	12300	6.6	mg/Kg	EPA 6010B	29-Mar-10
Lead	21.4	0.33	mg/Kg	EPA 6010B	29-Mar-10
Magnesium	1730	32.9	mg/Kg	EPA 6010B	29-Mar-10
Manganeso	571	0.66	mg/Kg	EPA 6010B	29-Mar-10
Mercury	< 0.092	0.092	mg/Kg	EPA 7471	30-Mar-10
Molybdenum	< 1.3	1.3	mg/Kg	EPA 6010B	29-Mar-10
Nickel	10	1.3	mg/Kg	EPA 6010B	29-Mar-10
Potassium	993	32.9	mg/Kg	EPA 6010B	29-Mar-10
Selenium	< 0.33	0.33	mg/Kg	EPA 6010B	29-Mar-10
Silver	0.34	0.13	mg/Kg	EPA 6010B	29-Mar-10
Sodium	< 329	329	mg/Kg	EPA 6010B	29-Mar-10
Thallium .	< 1.3	13	mg/Kg	EPA 6010B	29-Mar-10
Vanadium	10.1	0.66	mg/Kg	EPA 6010B	29-Mar-10
Zinc	99.7	0.66	mg/Kg	EPA 6010B	29 Mar 10

Results reported on a "wet-weight" basis

Joe R. Mussari, III

DICKSON CITY INDUSTRIAL PARK

824 ENTERPRISE STREET

DICKSON CITY, PA 18519-1593

PHONE: (570) 489-6964

FAX: (570) 489-6965

CABOT-EPA 006859

ANALYTICAL & ENVIRONMENTAL LABORATORIES, INC.

March 30, 2010

James Pinta URS Corporation Foster Plaza 4 501 Holiday Drive, Suite 300 Pittsburgh, PA 15220 Date Sampled. Time Sampled: Date Received. 25-Mar-10 10:45 25-Mar-10

Sampled by:

Andy Mehalko/ URS

Matrix:

Solid

2H-18

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	ANALYZED
Acetone	0.180	0 011	mg/Kg	EPA 8260B	29-Mar-10
Bonzene	< 0.005	0.005	mg/Kg	EPA 8260B	29-Mar-10
Bromodichloromethane	< 0.005	0.005	mg/Kg	EPA 8260B	29-Mar-10
Bromoform	< 0.005	0.005	mg/Kg	EPA 8260B	29-Mar-10
Bromomethane	< 0.005	0 005	mg/Kg	EPA 8260B	29-Mar-10
2-Butanone	< 0.011	0.011	mg/Kg	EPA 8260B	29-Mar-10
Carbon Disulfide	0.008	0 005	mg/Kg	EPA 82603	29-Mar-10
Carbon Tetrachloride	< 0 005	0 005	mg/Kg	EPA 8260B	29-Mar-10
Chlorobenzene	< 0.005	0 005	mg/Kg	EPA 8260B	29-Mar-10
Chloroethane	< 0.005	0 005	mg/Kg	EPA 8260B	29-Mar-10
Chloroform	< 0.005	0 005	mg/Kg	EPA 8260B	29-Mar-10
Chloromethane	< 0.005	0 005	mg/Kg	EPA 8260B	29-Mar-10
Dibromochloromethane	< 0 005	0 005	mg/Kg	EPA 8260B	29-Mar-10
1,1-Dichleroethane	< 0.005	0.005	mg/Kg	EPA 8260B	29-Mar-10
1,2-Dichloroethane	< 0.005	0.005	mg/Kg	EPA 8260B	29-Mar-10
1.1-Dichloroethene	< 0.005	0 005	mg/Kg	EPA 8260B	29-Mar-10
cis-1,2-Dichloroethene	< 0.005	0 005	mg/Kg	EPA 8260B	29-Mar-10
trans-1,2-Dichloroethene	< 0.005	0.005	mg/Kg	EPA 8260B	29-Mar-10
1,2-Dichloropropane	< 0.005	0 005	mg/Kg	EPA 8260B	29-Mar-10
cis-1,3-Dichloropropene	< 0.005	0.005	mg/Kg	EPA 8260B	29-Mar-10
trans-1,3-Dichloropropene	< 0.005	0.005	mg/Kg	EPA 8260B	29-Mar-10
Ethylbenzene	< 0.005	0.005	mg/Kg	EPA 8260B	29-Mar-10
2-Hexanone	< 0.011	0.011	mg/Kg	EPA 8260B	29-Mar-10
4-Methyl-2-pentanone	< 0.011	0.011	mg/Kg	EPA 8260B	29-Mar-10
Styrene	< 0.005	0.005	mg/Kg·	EPA 8260B	29-Mar-10
1,1,2,2-Tetrachloroethane	< 0.005	0.005	mg/Kg	EPA 8260B	29-Mar-10
Tetrachloroethene	< 0 005	0.005	mg/Kg	EPA 8260B	29-Mar-10
Toluene	0.014	0.005	mg/Kg	EPA 8260B	29-Mar-10
1,1,4-Trichloroethane	< 0.005	0.005	mg/Kg	EPA 8260B	29-Mar-10
1,1,2-Trichloroethane	< 0.005	0.005	mg/Kg	EPA 8260B	29-Mar-10
Trichloroethena	< 0.005	0.005	mg/Kg	EPA 8260B	29-Mar-10
Vinyl Chlonde	< 0.005	0.005	mg/Kg	EPA 8260B	29-Mar-10
m,p-Xylenes	< 0.005	0.005	mg/Kg	EPA 8260B	29-Mar-10
o-Xylene	< 0 005	0.005	mg/Kg	EPA 8260B	29-Mar-10
n-Butylbenzene	< 0.005	0.005	mg/Kg	EPA 8260B	29-Mar-10
sec-Butylbenzene	< 0.005	0.005	mg/Kg	EPA 8260B	29-Mar-10
Isopropylbenzene	< 0.005	0.005	mg/Kg	EPA 8260B	29-Mar-10
n-Propylbenzene	< 0.005	0.005	mg/Kg	EPA 8260B	29-Mar-10
p-Isopropyltoluene	< 0.005	0.005	mg/Kg	EPA 8260B	29-Mar-10

Results reported on a "wet-weight" basis

DICKSON CITY INDUSTRIAL PARK 824 ENTERPRISE STREET DICKSON CITY, PA 18519-1593

PHONE: (570) 489-6964

FAX: (570) 489-6965



CABOT-EPA 006860



March 30, 2010

James Pinta URS Corporation Foster Plaza 4 501 Holiday Drive, Suite 300 Pittsburgh, PA 15220 Date Sampled: Time Sampled: Date Received: 25-Mar-10 10:45 25-Mar-10

Sampled by:

Andy Mehalko/ URS

2H-18

PARAMETER	RESULT	UNITS	METHOD	ANALYZED
ASTM				
Sulfide	< 25	mg/L	EPA 376.2	30-Mar-10
MBAS	< 0.200	mg/L	SM ₂₀ 5540 C	30-Mar-10
Chloride	10.4	mg/L	ASTM D512-89(99)C	30-Mar-10

Joe R. Mussari, III Laboratory Director

DICKSON CITY INDUSTRIAL PARK 824 ENTERPRISE STREET DICKSON CITY, PA 18519-1593

PHONE: (570) 489-6964

FAX: (570) 489-6965



CABOT-EPA 006861



March 30, 2010

James Pinta URS Corporation Foster Plaza 4 501 Holiday Drive, Suite 300 Pittsburgh, PA 15220 Date Sampled: Time Sampled: 25-Mar-10 11:45

Date Received: Sampled by:

25-Mar-10 Andy Mehalko/ URS

Matrix:

Waste Water

2H-19

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	ANALYZED
Aluminum, total	0.50	0.050	mg/L	EPA 200.7	30-Mar-10
Antimony, total	< 0.0050	0.0050	mg/L	EPA 200.7	30-Mar-10
Arsenic, total	< 0.0050	0.0050	mg/L	EPA 200.7	30-Mar-10
Barium, total	0.11	0.010	mg/L	EPA 200.7	30-Mar-10
Beryllium, total	< 0.0010	0.0010	mg/L	EPA 200.7	30-Mar-10
Boron, total	< 0.050	0.050	mg/L	EPA 200.7	30-Mar-10
Cadmium, total	< 0.0010	0.0010	mg/L	EPA 200.7	30-Mar-10
Calcium, total	39.6	1.0	mg/L	EPA 200.7	30-Mar-10
Chromium, total	< 0.0050	0.0050	mg/L	EPA 200.7	30-Mar-10
Cobalt, total	< 0.0050	0.0050	mg/L	EPA 200.7	30-Mar-10
Copper, total	< 0.0050	0.0050	mg/L	EPA 200.7	30-Mar-10
Iron. total	0.56	0.050	mg/L	EPA 200.7	30-Mar-10
Lead, total	< 0.0020	0.0020	mg/L	EPA 200.7	30-Mar-10
Magnesium, total	6.8	0.20	mg/L	EPA 200.7	30-Mar-10
Manganese, total	0.086	0.0050	mg/L	EPA 200.7	30-Mar-10
Mercury, total	< 0.00020	0.00020	mg/L	EPA 245.2	30-Mar-10
Molybdenum, total	< 0.020	0.020	mg/L	EPA 200.7	30-Mar-10
Nickel, total	< 0.010	0.010	mg/L	EPA 200.7	30-Mar-10
Potassium, total	4.3	0.50	mg/L	EPA 200.7	30-Mar-10
Selenium, total	< 0.0050	0.0050	mg/L	EPA 200.7	30-Mar-10
Silver, total	< 0.0010	0.0010	mg/L	EPA 200.7	30-Mar-10
Sodium, total	221	1.0	mg/L	EPA 200.7	30-Mar-10
Thallium, total	< 0.010	0.010	mg/L	EPA 200.7	30-Mar-10
Vanadium, total	< 0.0050	0.0050	mg/L	EPA 200.7	30-Mar-10
Zinc, total	0.013	0.010	mg/L	EPA 200.7	30-Mar-10

Joe R. Mussari, III Laboratory Director

DICKSON CITY INDUSTRIAL PARK 824 ENTERPRISE STREET DICKSON CITY, PA 18519-1593

PHONE: (570) 489-6964

FAX: (570) 489-6965



CABOT-EPA 006862

ANALYTICAL & ENVIRONMENTAL LABORATORIES, INC.

March 30, 2010

James Pinta URS Corporation Foster Plaza 4 501 Holiday Drive, Suite 300 Pittsburgh, PA 15220 Date Sampled: Time Sampled:

25-Mar-10

Date Received:

11:45 25-Mar-10

Sampled by:

Andy Mehalko/ URS

Matrix:

Waste Water

2H-19

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	ANALYZED
Aluminum, dissolved	< 0.050	0.050	mg/L	EPA 200.7	30-Mar-10
Antimony, dissolved	0.0053	0.0050	mg/L	EPA 200.7	30-Mar-10
Arsenic, dissolved	< 0.0050	0.0050	mg/L	EPA 200.7	30-Mar-10
Barium, dissolved	0.083	0.010	mg/L	EPA 200.7	30-Mar-10
Beryllium, dissolved	< 0.0010	0.0010	mg/L	EPA 200.7	30-Mar-10
Boron, dissolved	< 0.050	0.050	mg/L	EPA 200.7	30-Mar-10
Cadmium, dissolved	< 0.0010	0.0010	mg/L	EPA 200.7	30-Mar-10
Calcium, dissolved	36.8	1,0	mg/L	EPA 200.7	30-Mar-10
Chromium, dissolved	< 0.0050	0.0050	mg/L	EPA 200.7	30-Mar-10
Cobatt. dissolved	< 0.0050	0.0050	mg/L	EPA 200.7	30-Mar-10
Copper, dissolved	< 0.0050	0.0050	mg/L	EPA 200.7	30-Mar-10
Iron, dissolved	< 0.050	0.050	mg/L	EPA 200.7	30-Mar-10
Lead, dissolved	< 0.0020	0.0020	mg/L	EPA 200.7	30-Mar-10
Magnesium, dissolved	6.4	0.20	mg/L	EPA 200.7	30-Mar-10
Manganese, dissolved	0.037	0.0050	mg/L	EPA 200.7	30-Mar-10
Mercury, dissolved	< 0.00020	0.00020	mg/L	EPA 245.2	30-Mar-10
Molybdenum, dissolved	< 0.020	0.020	mg/L	EPA 200.7	30-Mar-10
Nickel, dissolved	< 0.010	0.010	mg/L	EPA 200.7	30-Mar-10
Potassium, dissolved	3.8	0.50	mg/L	EPA 200.7	30-Mar-10
Selenium, dissolved	< 0.0050	0.0050	mg/L	EPA 200.7	30-Mar-10
Silver, dissolved	< 0.0010	0.0010	mg/L	EPA 200.7	30-Mar-10
Sodium, dissolved	192	1.0	mg/L	EPA 200.7	30-Mar-10
Thallium, dissolved	< 0.010	0.010	mg/L	EPA 200.7	30-Mar-10
Vanadium, dissolved	< 0.0050	0.0050	mg/L	EPA 200.7	30-Mar-10
Zinc, dissolved	< 0.010	0.010	mg/L	EPA 200.7	30-Mar-10

Joe R. Mussari, III
Laboratory Director

DICKSON CITY INDUSTRIAL PARK 824 ENTERPRISE STREET DICKSON CITY, PA 18519-1593

PHONE: (570) 489-6964

FAX: (570) 489-6965



CABOT-EPA 006863

DIM0227454

ANALYTICAL & ENVIRONMENTAL LABORATORIES, INC.

March 30, 2010

James Pinta URS Corporation Foster Plaza 4 501 Holiday Drive, Suite 300 Pillsburgh, PA 15220

..

Date Sampled. Time Sampled 25-Mar-10 11:45 25-Mar-10

Date Received. Sampled by:

Andy Mehalko/ URS

Matrix:

Waste Water

2H-19

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	ANALYZED	
Acetono	< 0.010	0.010	mg/L	EPA 8260B	26-Mar-10	
Benzene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10	
Bromodichloromethana	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10	
Bromoform	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10	
Bromomothane	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10	
2-Butanone	< 0.010	0.010	mg/L	EPA 8260B	26-Mar-10	
Carbon Disulfide	< 0 005	0.005	mg/L	EPA 8260B	26-Mar-10	
Carbon Tetrachloride	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10	
Chlorobenzene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10	
Chloroethane	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10	
Chloroform	< 0.005	0.005	ma/L	EPA 8260B	26-Mar-10	
Chloromethane	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10	
Dibromochloromethane	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10	
1,1-Dichloroethane	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10	
1,2-Dichloroethane	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10	
1.1-Dichloroethene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10	
cis-1.2-Dichloroethene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10	
trans-1.2-Dichloroethone	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10	
1,2-Dichloropropane	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10	
cis-1.3-Dichloropropene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10	
trans-1,3-Dichloropropene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10	
Ethylbenzene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10	
2-Hexanone	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10	
4-Melhyl-2-pentanone	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10	
Styrene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10	
1.1.2,2-Tetrachloroethane	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10	
Tetrachloroethene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10	
Toluene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10	
1.1.4-Trichloroethane	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10	
1.1.2-Trichloroethane	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10	
Trichloroethone	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10	
Vinyl Chlorido	< 0.002	0.002	mg/L	EPA 8260B	26-Mar-10	
m,p-Xylenes	< 0.010	0.010	ma/L	EPA 8260B	26-Mar-10	
o-Xylene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10	
n-Butylbenzene	< 0.005	0.005	ma/L	EPA 8260B	26-Mar-10	
sec-Buty/benzene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10	
Isopropylbenzene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10	
n-Propylbenzene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10	
p-Isopropyltoluene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10	

DICKSON CITY INDUSTRIAL PARK 824 ENTERPRISE STREET DICKSON CITY, PA 18519-1593

PHONE: (570) 489-6964

FAX: (570) 489-6965



CABOT-EPA 006864



March 30 2010

James Pinta URS Corporation Foster Plaza 4 501 Holiday Drive, Suite 300 Pittsburgh, PA 15220 Date Sampled: Time Sampled: Date Received. Sampled by:

25-Mar-10 11:45 25-Mar-10

Andy Mehalko/ URS

2H-19

PARAMETER	RESULT	UNITS	METHOD	ANALYZED
рН	7.05 H	pH units	SM ₂₀ 4500 H ⁺ B	25-Mar-10
TSS	11.0	mg/L	SM ₂₀ 2540 D	26-Mar-10
TDS	632	mg/L	SM ₂₀ 2540 C	26-Mar-10
Sulfide	< 5	mg/L	EPA 376.2	29-Mar-10
MBAS	0.034	mg/L	SM ₂₀ 5540 C	26-Mar-10
Chloride	390	mg/L	ASTM D512-89(99)C	30-Mar-10
Total Coliform	TNTC	cfu/ 100 ml	SM ₂₀ 9222 B	25-Mar-10
Fecal Coliform	50	cfu/ 100 ml	SM ₂₀ 9222 D	25-Mar-10
				18.00

 ${\rm H}$ sample received and analyzed out of EPA prescribed hold time. TNTC To Numerous To Count

Joe R. Mussari, III Laboratory Director

DICKSON CITY INDUSTRIAL PARK 824 ENTERPRISE STREET DICKSON CITY, PA 18519-1593

PHONE: (570) 489-6964

FAX: (570) 489-6965



CABOT-EPA 006865



March 30, 2010

James Pinta URS Corporation Foster Plaza 4 501 Holiday Drive, Suite 300 Pittsburgh, PA 15220 Date Sampled: Time Sampled:

25-Mar-10 12:00 25-Mar-10

Date Received: Sampled by:

Andy Mehalko/ URS

Matrix:

Solid

2H-20

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	ANALYZED	
Aluminum	5430	7.5	mg/Kg	EPA 6010B	29-Mar-10	
Antimony	0.59	0.37	mg/Kg	EPA 6010B	29-Mar-10	
Arsenic	5.2	0.37	mg/Kg	EPA 6010B	29-Mar-10	
Barium	129	1.5	mg/Kg	EPA 6010B	29-Mar-10	
Beryllium	0.27	0.15	mg/Kg	EPA 6010B	29-Mar-10	
Boron	4.2	3.7	mg/Kg	EPA 6010B	29-Mar-10	
Cadmium	< 0.15	0.15	mg/Kg	EPA 6010B	29-Mar-10	
Calcium	3550	149	mg/Kg	EPA 6010B	29-Mar-10	
Chromium	7.6	0.37	mg/Kg	EPA 6010B	29-Mar-10	
Cobalt	5.4	0.75	mg/Kg	EPA 6010B	29-Mar-10	
Copper	9.2	0.75	mg/Kg	EPA 6010B	29-Mar-10	
Iron	1510 0	7.5	mg/Kg	EPA 6010B	29-Mar-10	
Lead	11.0	0.37	mg/Kg	EPA 6010B	29-Mar-10	
Magnesium	1940	37.3	mg/Kg	EPA 6010B	29-Mar-10	
Manganese	435	0.75	mg/Kg	EPA 6010B	29-Mar-10	
Mercury	< 0.097	0.097	mg/Kg	EPA 7471	30-Mar-10	
Molybdenum	< 1.5	1.5	mg/Kg	EPA 6010B	29-Mar-10	
Nickel	10.0	1.5	mg/Kg	EPA 6010B	29-Mar-10	
Potassium	816	37.3	mg/Kg	EPA 6010B	29-Mar-10	
Selenium	< 0.37	0.37	mg/Kg	EPA 6010B	29-Mar-10	
Silver	0.49	0.15	mg/Kg	EPA 6010B	29-Mar-10	
Sodium	< 373	373	mg/Kg	EPA 6010B	29-Mar-10	
Thallium	< 1.5	1.5	mg/Kg	EPA 6010B	29-Mar-10	
Vanadium	9.1	0.75	mg/Kg	EPA 6010B	29-Mar-10	
Zinc	148	0.75	mg/Kg	EPA 6010B	29-Mar-10	

Results reported on a "wet-weight" basis

Joe R Mussari, III Laboratory Director

DICKSON CITY INDUSTRIAL PARK 824 ENTERPRISE STREET DICKSON CITY, PA 18519-1593

PHONE: (570) 489-6964

FAX: (570) 489-6965



DIM0228099

CABOT-EPA 006866

DIM0227454



March 30, 2010

James Pinta URS Corporation Foster Plaza 4 501 Holiday Drive, Suite 300 Pittsburgh, PA 15220 Date Sampled: Time Sampled: Date Received: 25-Mar-10 12:00 25-Mar-10

Sampled by: Andy Mehalko/ URS

Matrix:

Solid

2H-20

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	ANALYZED
Acetone	0.124	0.009	mg/Kg	EPA 8260B	29-Mar-10
Banzene	< 0.005	0.005	mg/Kg	EPA 8260B	29-Mar-10
Bromodichloromethana	< 0.005	0.005	mg/Kg	EPA 8260B	29-Mar-10
Bromoform	< 0.005	0.005	mg/Kg	EPA 8260B	29-Mar-10
Bromometharie	< 0.005	0.005	mg/Kg	EPA 8260B	29-Mar-10
2-Butanone	< 0.009	0.009	mg/Kg	EPA 8260B	29-Mar-10
Carbon Disulfide	< 0 005	0.005	mg/Kg	EPA 8260B	29-Mar-10
Carbon Tetrachionde	< 0.005	0.005	mg/Kg	EPA 8260B	29-Mar-10
Chiorobenzene	< 0.005	0.005	mg/Kg	EPA 8260B	29-Mar-10
Chloroethana	< 0.005	0.005	mg/Kg	EPA 8260B	29-Mar-10
Chloroform	< 0.005	0.005	mg/Kg	EPA 8260B	29-Mar-10
Chloromethano	< 0.005	0.005	mg/Kg	EPA 8260B	29-Mar-10
Dibromochloromethane	< 0.005	0.005	mg/Kg	EPA 8260B	29-Mar-10
1.1-Dichloroothane	< 0.005	0.005	mg/Kg	EPA 8260B	29-Mar-10
1.2-Dichloroethane	< 0.005	0 005	mg/Kg	EPA 8260B	29-Mar-10
1.1-Dichloroethene	< 0.005	0 005	mg/Kg	EPA 8260B	29-Mar-10
cis-1,2-Dichloroethene	< 0.005	0.005	mg/Kg	EPA 8260B	29-Mar-10
trans-1.2-Dichloroethene	< 0.005	0.005	mg/Kg	EPA 8260B	29-Mar-10
1,2-Dichloropropane	< 0.005	0.005	mg/Kg	EPA 8260B	29-Mar-10
cis-1,3-Dichloropropene	< 0.005	0.005	mg/Kg	EPA 8260B	29-Mar-10
trans-1,3-Dichloropropene	< 0.005	0.005	mg/Kg	EPA 8260B	29-Mar-10
Ethylbenzene	< 0.005	0 005	mg/Kg	EPA 8260B	29-Mar-10
2-Hexanone	< 0.009	0 009	mg/Kg	EPA 8260B	29-Mar-10
4-Methyl-2-pentanone	< 0.009	0 009	mg/Kg	EPA 8260B	29-Mar-10
Styrene	< 0.005	0.005	mg/Kg	EPA 8260B	29-Mar-10
1.1,2,2-Tetrachioroethane	< 0.005	0.005	mg/Kg	EPA 8260B	29-Mar-10
Tetrachloroethene	< 0.005	0.005	mg/Kg	EPA 8260B	29-Mar-10
Toluane	< 0.005	0.005	mg/Kg	EPA 8260B	29-Mar-10
1,1,7-Trichlargethane	< 0.005	0.005	mg/Kg	EPA 8260B	29-Mar-10
1.1,2-Trichloroethane	< 0.005	0.005	mg/Kg	EPA 8260B	29-Mar-10
Trichloroethene	< 0.005	0 005	mg/Kg	EPA 8260B	29-Mar-10
Vinyl Chloride	< 0.005	0 005	mg/Kg	EPA 8260B	29-Mar-10
m.p-Xylenes	< 0.009	0.009	riig/Kg	EPA 8260B	29-Mar-10
o-Xylene	< 0.005	0.005	mg/Kg	EPA 8260B	29-Mar-10
n-Buly/benzerie	< 0.005	0.005	mg/Kg	EPA 8260B	29-Mar-10
sec-Butylbenzene	< 0.005	0.005	mg/Kg	EPA 8260B	29-Mar-10
Isopropylben zene	< 0.005	0.005	mg/Kg	EPA 8260B	29-Mar-10
n-Propylbenzene	< 0.005	0.005	mg/Kg	EPA 8260B	29-Mar-10
p-fsopropyltolucne	< 0 005	0 005	mg/Kg	EPA 8260B	29-Mar-10

Results reported on a "wet-weight" basis

DICKSON CITY INDUSTRIAL PARK 824 ENTERPRISE STREET DICKSON CITY, PA 18519-1593

PHONE: (570) 489-6964

FAX: (570) 489-6965



CABOT-EPA 006867



March 30, 2010

James Pinta URS Corporation Foster Plaza 4 501 Holiday Drive, Suite 300 Pittsburgh, PA 15220 Date Sampled: Time Sampled: Date Received 25-Mar-10 12:00 25-Mar-10

Sampled by:

Andy Mehalko/ URS

2H-20

PARAMETER	RESULT	UNITS	METHOD	ANALYZED
ASTM				
Sulfide	< 25	mg/L	EPA 376.2	30-Mar-10
MBAS	< 0.100	mg/L	SM ₂₀ 5540 C	30-Mar-10
Chloride	7.38	mg/L	ASTM D512-89(99)C	30-Mar-10

Joe R. Mussari, III Laboratory Director

DICKSON CITY INDUSTRIAL PARK 824 ENTERPRISE STREET DICKSON CITY, PA 18519-1593

PHONE: (570) 489-6964

FAX: (570) 489-6965



CABOT-EPA 006868



March 30, 2010

James Pinta URS Corporation Foster Plaza 4 501 Holiday Drive, Suite 300 Pittsburgh, PA 15220 Date Sampled: Time Sampled:

25-Mar-10 12:20

Date Received:

25-Mar-10

Sampled by:

Andy Mehalko/ URS

Matrix:

Waste Water

2H-21

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	ANALYZED
Aluminum, total	3.0	0.050	mg/L	EPA 200.7	30-Mar-10
Antimony, total	< 0.0050	0.0050	mg/L	EPA 200.7	30-Mar-10
Arsenic. total	< 0.0050	0.0050	mg/L	EPA 200.7	30-Mar-10
Barium, total	1.8	0.010	mg/L	EPA 200.7	30-Mar-10
Beryllium, total	< 0.0010	0.0010	mg/L	EPA 200.7	30-Mar-10
Boron, total	< 0.050	0.050	mg/L	EPA 200.7	30-Mar-10
Cadmium, total	< 0.0010	0.0010	mg/L	EPA 200.7	30-Mar-10
Calcium, total	31.4	1.0	mg/L	EPA 200.7	30-Mar-10
Chromium, total	0.0051	0.0050	mg/L	EPA 200.7	30-Mar-10
Cobalt, total	< 0.0050	0.0050	mg/L	EPA 200.7	30-Mar-10
Copper, total	0.013	0.0050	mg/L	EPA 200.7	30-Mar-10
Iron, total	3.5	0.050	mg/L	EPA 200.7	30-Mar-10
Lead, total	0.021	0.0020	mg/L	EPA 200.7	30-Mar-10
Magnesium, total	4.8	0.20	mg/L	EPA 200.7	30-Mar-10
Manganese, total	0.24	0.0050	mg/L	EPA 200.7	30-Mar-10
Mercury, total	< 0.00020	0.00020	mg/L	EPA 245.2	30-Mar-10
Molybdenum, total	< 0.020	0.020	mg/L	EPA 200.7	30-Mar-10
Nickel, total	< 0.010	0.010	mg/L	EPA 200.7	30-Mar-10
Potassium, total	3.1	0.50	mg/L	EPA 200.7	30-Mar-10
Selenium, total	< 0.0050	0.0050	mg/L	EPA 200.7	30-Mar-10
Silver, total	< 0.0010	0.0010	mg/L	EPA 200.7	30-Mar-10
Sodium, total	103	1.0	mg/L	EPA 200.7	30-Mar-10
Thallium, total	< 0.010	0.010	mg/L	EPA 200.7	30-Mar-10
Vanadium, total	0.0069	0.0050	mg/L	EPA 200.7	30-Mar-10
Zinc, total	0.020	0.010	mg/L	EPA 200.7	30-Mar-10

Joe R. Mussan, III Laboratory Director

DICKSON CITY INDUSTRIAL PARK 824 ENTERPRISE STREET DICKSON CITY, PA 18519-1593

PHONE: (570) 489-6964

FAX: (570) 489-6965



CABOT-EPA 006869



March 30, 2010

James Pinta URS Corporation Foster Plaza 4 501 Holiday Drive, Suite 300 Pittsburgh, PA 15220 Date Sampled:

25-Mar-10

Time Sampled: Date Received: 12:20 25-Mar-10

Sampled by:

Andy Mehalko/ URS

Matrix:

Waste Water

2H-21

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	ANALYZED	
Aluminum, dissolved	0.085	0.050	mg/L	EPA 200.7	30-Mar-10	
Antimony, dissolved	< 0.0050	0.0050	mg/L	EPA 200.7	30-Mar-10	
Arsenic, dissolved	< 0.0050	0.0050	mg/L	EPA 200.7	30-Mar-10	
Barium, dissolved	0.42	0.010	mg/L	EPA 200.7	30-Mar-10	
Beryllium, dissolved	< 0.0010	0.0010	mg/L	EPA 200.7	30-Mar-10	
Boron, dissolved	< 0.050	0.050	mg/L	EPA 200.7	30-Mar-10	
Cadmium, dissolved	< 0.0010	0.0010	mg/L	EPA 200.7	30-Mar-10	
Calcium, dissolved	28.7	1.0	mg/L	EPA 200.7	30-Mar-10	
Chromium, dissolved	< 0.0050	0.0050	mg/L	EPA 200.7	30-Mar-10	
Cobalt, dissolved	< 0.0050	0.0050	mg/L	EPA 200.7	30-Mar-10	
Copper, dissolved	< 0.0050	0.0050	mg/L	EPA 200.7	30-Mar-10	
Iron, dissolved	< 0.050	0.050	mg/L	EPA 200.7	30-Mar-10	
Lead, dissolved	0.0022	0.0020	mg/L	EPA 200.7	30-Mar-10	
Magnesium, dissolved	4.1	0.20	mg/L	EPA 200.7	30-Mar-10	
Manganese, dissolved	< 0.0050	0.0050	mg/L	EPA 200.7	30-Mar-10	
Mercury, dissolved	< 0.00020	0.00020	mg/L	EPA 245.2	30-Mar-10	
Molybdenum, dissolved	< 0.020	0.020	mg/L	EPA 200.7	30-Mar-10	
Nickel, dissolved	< 0.010	0.010	mg/L	EPA 200.7	30-Mar-10	
Potassium, dissolved	2.2	0.50	mg/L	EPA 200.7	30-Mar-10	
Seľenium, dissolved	< 0.0050	0.0050	mg/L	EPA 200.7	30-Mar-10	
Silver, dissolved	< 0.0010	0.0010	mg/L	EPA 200.7	30-Mar-10	
Sodium, dissolved	99.2	1.0	mg/L	EPA 200.7	30-Mar-10	
Thallium, dissolved	< 0.010	0.010	mg/L	EPA 200.7	30-Mar-10	
Vanadium, dissolved	< 0.0050	0.0050	mg/L	EPA 200.7	30-Mar-10	
Zinc, dissolved	< 0.010	0.010	mg/L	EPA 200.7	30-Mar-10	

Joe R. Mussari, III Laboratory Director

DICKSON CITY INDUSTRIAL PARK 824 ENTERPRISE STREET DICKSON CITY, PA 18519-1593

PHONE: (570) 489-6964

FAX: (570) 489-6965



CABOT-EPA 006870



March 30, 2010

James Pinta URS Corporation Foster Plaza 4 501 Holiday Drive, Suite 300 Pittsburgh, PA 15220 Date Sampled: Time Sampled: Date Received: Sampled by: 25-Mar-10 12.20 25-Mar-10 Andy Mehalko/ URS

Matrix:

Waste Water

2H-21

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	ANALYZED
Acetone	< 0.010	0.010	mg/L	EPA 8260B	26-Mar-10
Benzene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Bromodichloromethane	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Bromolorm	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Bromomelhane	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
2-Butanone	< 0.010	0.010	mg/L	EPA 8260B	26-Mar-10
Carbon Disulfide	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Carbon Tetrachloride	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Chlorobenzene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Chloroethane	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Chloroform	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Chloromethane	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Dibromochloromethane	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
1,1-Dichloroethane	< 0 005	0.005	mg/L	EPA 8260B	26-Mar-10
1,2-Dichloroethane	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
1,1-Dichloroethene	< 0.005	0 005	mg/L	EPA 8260B	26-Mar-10
cis-1,2-Dichloroethene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
trans-1,2-Dichlorcethene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
1,2-Dichloropropane	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
cis-1,3-Dichloropropone	< 0 005	0.005	mg/L	EPA 8260B	26-Mar-10
trans-1,3-Dichloropropene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Ethylbenzon e	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
2-Hexanone	< 0 005	0.005	mg/L	EPA 8260B	26-Mar-10
4-Methyl-2-pontanone	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Styrene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
1,1,2,2-Tetrachloroethane	< 0 005	0.005	mg/L	EPA 8260B	26-Mar-10
Tetrachloroeth ene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Toluene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
1,1,1-Trichforcethane	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
1,1,2-Trichloroethane	< 0 005	0.005	mg/L	EPA 8260B	26-Mar-10
Trichloroethone	< 0 005	0.005	mg/L	EPA 8260B	26-Mar-10
Vinyl Chloride	< 0 002	0.002	mg/L	EPA 8260B	26-Mar-10
m,p-Xylenes	< 0.010	0.010	mg/L	EPA 8260B	26-Mar-10
o-Xylene	< 0 005	0.005	mg/L	EPA 8260B	26-Mar-10
n-Butylbenze ne	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
sec-Butylbenzene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Isopropyibenzene	< 0 005	0 005	mg/L	EPA 8260B	26-Mar-10
n-Propylbenzene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
p-Isopropyitolueno	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10

DICKSON CITY INDUSTRIAL PARK 824 ENTERPRISE STREET DICKSON CITY, PA 18519-1593

PHONE: (570) 489-6964

FAX: (570) 489-6965



CABOT-EPA 006871



March 30, 2010

James Pinta URS Corporation Foster Plaza 4 501 Holiday Drive, Suite 300 Pittsburgh, PA 15220 Date Sampled: Time Sampled: Date Received: 25-Mar-10 12:20 25-Mar-10

Sampled by: Andy Mehalko/ URS

2H-21

PARAMETER	RESULT	UNITS	METHOD	ANALYZED
рН	7.25 H	pH units	SM ₂₀ 4500 H ⁺ B	25-Mar-10
TSS	62.0	mg/L	SM ₂₀ 2540 D	26-Mar-10
TDS	328	mg/L	SM ₂₀ 2540 C	26-Mar-10
Sulfide	< 5	mg/L	EPA 376.2	29-Mar-10
MBAS	< 0.040	mg/L	SM ₂₀ 5540 C	26-Mar-10
Chloride	170	mg/L	ASTM D512-89(99)C	30-Mar-10
Total Coliform	TNTC	cfu/ 100 ml	SM ₂₀ 9222 B	25-Mar-10
Fecal Coliform	14	cfu/ 100 ml	SM ₂₀ 9222 D	25-Mar-10
				18:00

H sample received and analyzed out of EPA prescribed hold time. TNTC To Numerous To Count

Joe R. Mussari, III Laboratory Director

DICKSON CITY INDUSTRIAL PARK 824 ENTERPRISE STREET DICKSON CITY, PA 18519-1593

PHONE: (570) 489-6964

FAX: (570) 489-6965



CABOT-EPA 006872



March 30, 2010

James Pinta URS Corporation Foster Plaza 4 501 Holiday Drive, Suite 300 Pittsburgh, PA 15220 Date Sampled:

25-Mar-10

Time Sampled: Date Received:

12:35 25-Mar-10

Sampled by:

Andy Mehalko/ URS

Matrix:

Solid

	2ŀ	1-22	
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PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	ANALYZED	
Aluminum	3290	8.3	mg/Kg	EPA 6010B	29-Mar-10	
Antimony	< 0.42	0.42	mg/Kg	EPA 6010B	29-Mar-10	
Arsenic	5.6	0.42	mg/Kg	EPA 6010B	29-Mar-10	
Barium	208	1.7	mg/Kg	EPA 6010B	29-Mar-10	
Beryllium	< 0.17	0.17	mg/Kg	EPA 6010B	29-Mar-10	
Boron	< 4.2	4.2	mg/Kg	EPA 6010B	29-Mar-10	
Cadmium	< 0.17	0.17	mg/Kg	EPA 6010B	29-Mar-10	
Calcium	1030	167	mg/Kg	EPA 6010B	29-Mar-10	
Chromium	4.2	0.42	mg/Kg	EPA 6010B	29-Mar-10	
Cobalt	3.0	0.83	mg/Kg	EPA 6010B	29-Mar-10	
Copper	5.3	0.83	mg/Kg	EPA 6010B	29-Mar-10	
Iron	6390	8.3	mg/Kg	EPA 6010B	29-Mar-10	
Lead	9.7	0.42	mg/Kg	EPA 6010B	29-Mar-10	
Magnesium	609	41.7	mg/Kg	EPA 6010B	29-Mar-10	
Manganese	256	0.83	mg/Kg	EPA 6010B	29-Mar-10	
Mercury	< 0.094	0.094	mg/Kg	EPA 7471	30-Mar-10	
Molybdenum	< 1.7	1.7	mg/Kg	EPA 6010B	29-Mar-10	
Nickel	3.8	1.7	mg/Kg	EPA 6010B	29-Mar-10	
Potassium	352	41.7	mg/Kg	EPA 6010B	29-Mar-10	
Selenium	0.54	0.42	mg/Kg	EPA 6010B	29-Mar-10	
Silver	0.28	0.17	mg/Kg	EPA 6010B	29-Mar-10	
Sodium	< 417	417	mg/Kg	EPA 6010B	29-Mar-10	
Thalliu m	< 1.7	1.7	mg/Kg	EPA 6010B	29-Mar-10	
Vanadium	6.7	0.83	mg/Kg	EPA 6010B	29-Mar-10	
Zinc	20.0	0.83	mg/Kg	EPA 6010B	29-Mar-10	

Results reported on a "wet-weight" basis

Joe R. Mussari, III

DICKSON CITY INDUSTRIAL PARK

824 ENTERPRISE STREET

DICKSON CITY, PA 18519-1593

PHONE: (570) 489-6964

FAX: (570) 489-6965



CABOT-EPA 006873



March 30, 2010

James Pinta URS Corporation Foster Plaza 4 501 Holiday Drive, Suite 300 Pittsburgh, PA 15220 Date Sampled: Time Sampled: Date Received: 25-Mar-10 12:35 25-Mar-10

Sampled by:

Andy Mehalko/ URS

Matrix:

Solid

2H-22

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	ANALYZED
Acetone	0.142	0.012	mg/Kg	EPA 8260B	29-Mar-10
Benzene	< 0.006	0.006	mg/Kg	EPA 8260B	29-Mar-10
Bromodichloromethane	< 0.006	0.006	mg/Kg	EPA 8260B	29-Mar-10
Bromoform	< 0.006	0.006	mg/Kg	EPA 8260B	29-Mar-10
Bromomethana	< 0.006	0.006	mg/Kg	EPA 8260B	29-Mar-10
2-Butanone	< 0.012	0.012	mg/Kg	EPA 8260B	29-Mar-10
Carbon Disulfide	< 0.006	0.006	mg/Kg	EPA 8260B	29-Mar-10
Carbon Tetrachlorido	< 0.006	0.006	mg/Kg	EPA 8260B	29-Mar-10
Chlorobenzene	< 0.006	0.006	mg/Kg	EPA 8260B	29-Mar-10
Chloroethane	< 0.006	0 006	mg/Kg	EPA 8260B	29-Mar-10
Chloroform	< 0.006	0.006	mg/Kg	EPA 8260B	29-Mar-10
Chloromethane	< 0.006	0.006	mg/Kg	EPA 8260B	29-Mar-10
Dibromochloromethane	< 0.006	0.006	mg/Kg	EPA 8260B	29-Mar-10
1.1-Dichloroethane	< 0.006	0.006	mg/Kg	EPA 8260B	29-Mar-10
1,2-Dichloroethane	< 0.006	0.006	mg/Kg	EPA 8260B	29-Mar-10
1.1-Dichloroothene	< 0.005	0 006	mg/Kg	EPA 8260B	29-Mar-10
cis-1.2-Dichloroethene	< 0.006	0.006	mg/Kg	EPA 8260B	29-Mar-10
trans-1.2-Dichloroethene	< 0.006	0.006	mg/Kg	EPA 8260B	29-Mar-10
1,2-Dichloropropane	< 0.006	0.006	mg/Kg	EPA 8260B	29-Mar-10
cis-1,3-Dichloropropene	< 0.006	0.006	mg/Kg	EPA 8260B	29-Mar-10
trans-1,3-Dichloropropene	< 0.006	0.006	mg/Kg	EPA 8260B	29-Mar-10
Ethylbenzene	< 0.006	0 006	mg/Kg	EPA 8260B	29-Mar-10
2-Hexanone	< 0.012	0.012	mg/Kg	EPA 8260B	29-Mar-10
4-Methyl-2-pentanone	< 0.012	0.012	mg/Kg	EPA 8260B	29-Mar-10
Styrene	< 0.006	0.006	mg/Kg	EPA 8260B	29-Mar-10
1,1,2,2-Tetrachloroethane	< 0.006	0.006	mg/Kg	EPA 8260B	29-Mar-10
Tetrachloroethene	< 0.006	0.006	mg/Kg	EPA 8260B	29-Mar-10
Toluene	< 0.006	0.006	mg/Kg	EPA 8260B	29-Mar-10
1,1,4-Trichloroethane	< 0.006	0.006	mg/Kg	EPA 8260B	29-Mar-10
1.1.2-Trichloroethane	< 0.006	0.006	mg/Kg	EPA 8260B	29-Mar-10
Trichloroetheno	< 0.006	0.006	mg/Kg	EPA 8260B	29-Mar-10
Vinyl Chlorida	< 0.006	0 006	mg/Kg	EPA 8260B	29-Mar-10
m,p-Xylenes	< 0.012	0.012	mg/Kg	EPA 8260B	29-Mar-10
o-Xylene	< 0.006	0.006	mg/Kg	EPA 8260B	29-Mar-10
n-Butylbonzeno	< 0.006	0.006	mg/Kg	EPA 8260B	29-Mar-10
sec-Butylbenzene	< 0.006	0.006	mg/Kg	EPA 8260B	29-Mar-10
Isopropylbenzene	< 0.006	0.006	mg/Kg	EPA 8260B	29-Mar-10
n-Propylbenzene	< 0.006	0.006	mg/Kg	EPA 8260B	29-Mar-10
p-Isopropyltoluene	< 0.006	0.006	mg/Kg	EPA 8260B	29-Mar-10

Results reported on a "wet-weight" basis

The internal standard recoveries associated with this sample exceed the lower control limit. The reported results should be considered biased high.

DICKSON CITY INDUSTRIAL PARK 824 ENTERPRISE STREET DICKSON CITY, PA 18519-1593

PHONE: (570) 489-6964

FAX: (570) 489-6965



CABOT-EPA 006874



March 30, 2010

James Pinta URS Corporation Foster Plaza 4 501 Holiday Drive, Suite 300 Pittsburgh, PA 15220 Date Sampled: Time Sampled:

25-Mar-10 12.35

Date Received:

25-Mar-10

Sampled by:

Andy Mehalko/ URS

2H-22

PARAMETER	RESULT	UNITS	METHOD	ANALYZED
ASTM				
Sulfide	< 25	mg/L	EPA 376,2	30-Mar-10
MBAS	< 0.200	mg/L	SM ₂₀ 5540 C	30-Mar-10
Chloride	30.2	mg/L	ASTM D512-89(99)C	30-Mar-10

Joe R. Mussan, III Laboratory Director

DICKSON CITY INDUSTRIAL PARK 824 ENTERPRISE STREET DICKSON CITY, PA 18519-1593

PHONE: (570) 489-6964

FAX: (570) 489-6965



CABOT-EPA 006875

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CABOT-EPA 006876



June 11, 2010

Mr. Jim Pinta **URS** Corporation Foster Plaza 4 501 Holiday Drive, Suite 300 Pittsburgh, PA 15220

RE: Project:

2H/4H

Pace Project No.: 3027040

Dear Mr. Pinta:

Enclosed are the analytical results for sample(s) received by the laboratory on May 04, 2010. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Timothy Reed

timothy.reed@pacelabs.com

Project Manager

Enclosures

REPORT OF LABORATORY ANALYSIS

Page 1 of 54

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CABOT-EPA 006877



CERTIFICATIONS

Project^a

2H/4H

Pace Project No.:

3027040

Pennsylvania Certification IDs 1638 Roseytown Road Suites 2,3&4 Greensburg, PA 15601

Wyoming Certification #: 8TMS-Q Wisconsin/PADEP Certification West Virginia Certification #: 143 Washington Certification #: C1941 Virginia Certification #: 00112 Virgini Island/PADEP Certification

Utah/NELAC Certification #. ANTE
Texas/NELAC Certification #. T104704188-09 TX
Tennessee Certification # TN2867
South Dakota Certification Puerto Rico Certification #: PA01457 Pennsylvania/NELAC Certification # 65-00282
Oregon/NELAC Certification #. PA200002
North Carolina Certification #. 42706
New York/NELAC Certification # 10888 New Mexico Certification
New Jersey/NELAC Certification #. PA 051
New Hampshire/NELAC Certification #: 2976
Nevada Certification

Montana Certification #: Cert 0082 Missouri Certification #: 235

Michigan/PADEP Certification Massachusetts Certification # M-PA1457
Maryland Certification #: 308
Maine Certification #: PA0091
Louisiana/NELAC Certification #: LA080002
Louisiana/NELAC Certification #: 4086
Kentucky Certification #: 90422 Kentucky Certification #. 90133 Kansas/NELAC Certification #: E-10358 lowa Certification #: 391
Indiana/PADEP Certification
Illinois/PADEP Certification
Idaho Certification
Hawaii/PADEP Certification Guam/PADEP Certification
Florida/NELAC Certification #: E87683 Delaware Certification Connecticut Certification #: PH 0694 Colorado Certification California/NELAC Certification #. 04222CA Arkansas Certification
Arizona Certification #. AZ0734

Alabama Certification #: 41590

REPORT OF LABORATORY ANALYSIS

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Page 2 of 54

CABOT-EPA 006878

DIM0227454

DIM0228111



SAMPLE ANALYTE COUNT

Project:

2H/4H

Pace Project No. 3027040

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
3027040001	2H/4H-R.PIT	EPA 6010B	SAB	24	FASI-PA
		EPA 7471	CTS	1	PASI-PA
		EPA 8270	SPL	75	PASI-PA
		EPA 8260	JEW	55	PASI-PA
		ASTM D2974-87	AC	1	PASI-PA
3027040002	2H/4H-R.PIT	EPA 6010B	SAB	24	PASI-PA
		EPA 7471	CTS	1	PASI-PA
		EPA 8270	SPL	75	PASI-PA
		EPA 8260	JEW	55	PASI-PA
		ASTM D2974-87	AC	1	PASI-PA
3027040003	2H/4H-SUMP	EPA 6010B	CTS	24	PASI-PA
		EPA 6010	CTS	24	PASI-PA
		EPA 7470	стѕ	1	PASI-PA
		EPA 7470	CTS	1	PASI-PA
		EPA 8270	SPL	75	PASI-PA
		EPA 8260	JAS	54	PASI-PA
3027040004	2H/4H-H.D. WELL	EPA 6010B	CTS	24	PASI-PA
		EPA 6010	CTS	24	PASI-PA
		EPA 7470	CTS	1	PASI-PA
		EPA 7470	CTS	1	PASI-PA
		EPA 8270	SPL	75	PASI-PA
		EPA 8260	JAS	54	PASI-PA

REPORT OF LABORATORY ANALYSIS

Page 3 of 54

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CABOT-EPA 006879



ANALYTICAL RESULTS

Project:

2H/4H

Pace Project No.: 3027040

2H/4H-R.PIT Sample:

Lab ID: 3027040001

Collected. 05/01/10 01:00 Received: 05/04/10 12:40 Matrix: Solid

Results reported on a "dry-weight" basis

Comments • One internal standard recovery associated with this sample exceed the lower control limit. The reported results should be considered biased high.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Me	ethod EPA 6010	B Preparation Me	ethod: E	EPA 3050			
Aluminum	14800 1	mg/kg	31.5	1	05/05/10 16:16	05/06/10 11:26	7429-90-5	
Antimony		ng/kg	1.6	1	05/05/10 16:16	05/06/10 11:26	7440-36-0	
Arsenic	19.3 r		16	1	05/05/10 16.16	05/06/10 11:26	7440-38-2	
Barrum	37500 :	~ ~	62.9	10	05/05/10 16 16	05/06/10 13:19	7440-39-3	
Beryllium	0.92		0.63	1	05/05/10 16:16	05/06/10 11:26	7440-41-7	
Boron	26.2		15.7	1	05/05/10 16:16	05/06/10 11:26	7440-42-8	
Cadmium		mg/kg	0.63	1	05/05/10 16:16	05/06/10 11:26	7440-43-9	
Calcium	17400		629	1	05/05/10 16:16	05/06/10 11:26	7440-70-2	
Chromium	34.5		16	1	05/05/10 16:16	05/06/10 11:26	7440-47-3	
Cobalt	14.0		3 1	1	05/05/10 16.16	05/06/10 11:26	7440-48-4	
Copper	64.6		3.1	1	05/05/10 16 16	05/06/10 11:26	7440-50-8	
Iron	2570 0	mg/kg	31.5	1	05/05/10 16:16	05/06/10 11:26	7439-89-6	
Lead		mg/kg	1.6	1	05/05/10 16:16	05/06/10 11:26	7439-92-1	
Magnesium	4490 i		157	1		05/06/10 11.26		
Manganese		mg/kg	3.1	1	05/05/10 16.16	05/06/10 11:26	7439-96-5	
Molybdenum	20.1		6.3	1	05/05/10 16 16	05/06/10 11:26	7439-98-7	
Nicke!	46.7		6.3	1		05/06/10 11:26		
Potassium	4900		157	1		05/06/10 11:26		
Selenium		mg/kg	16	1		05/06/10 11.26		
Silver	0.60		0 63	1		05/06/10 11:26		
Sodium	4350		1570	1		05/06/10 11:26		
Thallium		mg/kg	6.3	1		05/06/10 11:26		
Vanadium	40.1	~ ~	3.1	1		05/06/10 11:26		
Zinc		mg/kg	3.1	1		05/06/10 11.26		
7471 Mercury	Analytical M	ethod: EPA 7471	Preparation Met	hod: EF	PA 7471			
Mercury	ND	mg/kg	0.41	1	05/05/10 11:12	05/06/10 10.35	7439-97-6	
8270 MSSV FULL LIST MICROWAVE	Analytical M	ethod: EPA 8270	Preparation Met	hod. Ef	PA 3546			
Acenaphthene	ND	ug/kg	4040	1	05/04/10 19 46	05/07/10 16 38	83-32-9	
Acenaphthylene	ND	ug/kg	4040	1	05/04/10 19 46	05/07/10 16.38	208-96-8	
Anthracene	ND	ug/kg	4040	1	05/04/10 19:46	05/07/10 16:38	120-12-7	
Azobenzene	ND	ug/kg	4040	1	05/04/10 19:46	05/07/10 16:38	103-33-3	
Benzo(a)anthracene	ND	ug/kg	4040	1	05/04/10 19:46	05/07/10 16:38	56-55-3	
Benzo(a)pyrene	ND	ug/kg	4040	1	05/04/10 19:46	05/07/10 16:38	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	4040	1	05/04/10 19.46	05/07/10 16:38	205-99-2	
Benzo(g,h,i)perylene		ug/kg	4040	1	05/04/10 19:46	05/07/10 16:38	191-24-2	
Benzo(k)fluoranthene		ug/kg	4040	1	05/04/10 19:46	05/07/10 16:38	207-08-9	
Benzoic acid	ND	ug/kg	10100	1	05/04/10 19:46	05/07/10 16:38	6 5-8 5-0	
Benzyl alcohol		ug/kg	4040	1	05/04/10 19 46	05/07/10 16:38	100-5 1 -6	
4-Bromophenylphenyl ether		ug/kg	4040	1	05/04/10 19 46	05/07/10 16 ⁻ 38	101-55-3	
Butylbenzylphthalate		ug/kg	4040	1	05/04/10 19 46	05/07/10 16 38	85-68-7	
Carbazole	ND	ug/kg	4040	1	05/04/10 19 46	05/07/10 16:38	86-74-8	

Date: 06/11/2010 05:17 PM

REPORT OF LABORATORY ANALYSIS

Page 4 of 54

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CABOT-EPA 006880



ANALYTICAL RESULTS

Project:

2H/4H

Pace Project No.:

3027040

Sample:

2H/4H-R.PIT

Lab ID: 3027040001

Collected. 05/01/10 01:00 Received. 05/04/10 12 40 Matrix: Solid

Results reported on a "dry-weight" basis

Comments. • One internal standard recovery associated with this sample exceed the lower control limit. The reported results should be considered biased high.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE	Analytical Method	d: EPA 8270	Preparation Meth	nod: EF	PA 3546			
4-Chloro-3-methylphenol	ND ug/kg	3	4040	1	05/04/10 19 46	05/07/10 16:38	59-50-7	
4-Chloroaniline	ND ug/kg	3	4040	1	05/04/10 19:46	05/07/10 16:38	106-47-8	
bis(2-Chloroethoxy)methane	ND ug/kg	3	4040	1	05/04/10 19:46	05/07/10 16:38	111-91-1	
bis(2-Chloroethyl) ether	ND ug/kg	3	4040	1	05/04/10 19:46	05/07/10 16:38	111-44-4	
bis(2-Chloroisopropyl) ether	ND ug/k	3	4040	1	05/04/10 19:46	05/07/10 16 38	108-60-1	
2-Chloronaphthalene	ND ug/k	3	4040	1	05/04/10 19 46	05/07/10 16:38	91-58-7	
2-Chlorophenol	ND ug/k	3	4040	1	05/04/10 19:46	05/07/10 16:38	95-57-8	
4-Chlorophenylphenyl ether	ND ug/k	3	4040	1	05/04/10 19:46	05/07/10 16:38	7005-72-3	
Chrysene	ND ug/k	3	4040	1	05/04/10 19:46	05/07/10 16:38	218-01-9	
Dibenz(a,h)anthracene	ND ug/k	3	4040	1	05/04/10 19.46	05/07/10 16:38	53-70-3	
Dibenzofuran	ND ug/k	3	4040	1	05/04/10 19 46	05/07/10 16 38	132-64-9	
1,2-Dichlorobenzene	ND ug/k	3	4040	1	05/04/10 19.46	05/07/10 16.38	95-50-1	
1,3-Dichlorobenzene	ND ug/k	3	4040	1	05/04/10 19:46	05/07/10 16:38	541-73-1	
1,4-Dichlorobenzene	ND ug/k	3	4040	1	05/04/10 19:46	05/07/10 16:38	106-46-7	
3,3'-Dichlorobenzidine	ND ug/k	9	4040	1	05/04/10 19:46	05/07/10 16.38	91-94-1	
2,4-Dichlorophenol	ND ug/k	3	4040	1	05/04/10 19 46	05/07/10 16.38	120-83-2	
Diethylphthalate	ND ug/k	3	4040	1	05/04/10 19.46	05/07/10 16:38	84-66-2	
2,4-Dimethylphenol	ND ug/k	9	4040	1	05/04/10 19:46	05/07/10 16:38	105-67-9	
Dimethylphthalate	ND ug/k	9	4040	1	05/04/10 19:46	05/07/10 16:38	131-11-3	
Dı-n-butylphthalate	ND ug/k	g	4040	1	05/04/10 19:46	05/07/10 16:38	84-74-2	
4,6-Dinitro-2-methylphenol	ND ug/k	9	10100	1	05/04/10 19.46	05/07/10 16 38	534-52-1	
2,4-Dinitrophenol	ND ug/k	9	10100	1	05/04/10 19 46	05/07/10 16 38	51-28-5	
2,4-Dinitrotoluene	ND ug/k	g	4040	1	05/04/10 19.46	05/07/10 16:38	121-14-2	
2,6-Dinitrotoluene	ND ug/k	g	4040	1	05/04/10 19:46	05/07/10 16:38	606-20-2	
Di-n-octylphthalate	ND ug/k	g	4040	1	05/04/10 19:46	05/07/10 16:38	117-84-0	
bis(2-Ethylhexyl)phthalate	ND ug/k	g	4040	1	05/04/10 19:46	05/07/10 16:38	117-81-7	
Fluoranthene	ND ug/k	g	4040	1	05/04/10 19:46	05/07/10 16:38	206-44-0	
Fluorene	ND ug/k	g	4040	1	05/04/10 19.46	05/07/10 16 38	86-73-7	
Hexachioro-1,3-butadiene	ND ug/k	g	4040	1	05/04/10 19.46	05/07/10 16:38	87-68-3	
Hexachlorobenzene	ND ug/k	g	4040	1	05/04/10 19.46	05/07/10 16:38	118-74-1	
Hexachlorocyclopentadiene	ND ug/k	g	4040	1	05/04/10 19.46	05/07/10 16:38	77-47-4	
Hexachloroethane	ND ug/k	g	4040	1	05/04/10 19:46	05/07/10 16:38	67-72-1	
Indeno(1,2,3-cd)pyrene	ND ug/k	g	4040	1	05/04/10 19:46	05/07/10 16:38	193-39-5	
Isophorone	ND ug/k	g	4040	1	05/04/10 19:46	05/07/10 16:38	78-59-1	
1-Methylnaphthalene	ND ug/k	g	4040	1	05/04/10 19:46	05/07/10 16:38	90-12-0	
2-Methylnaphthalene	ND ug/k	g	4040	1	05/04/10 19.46	05/07/10 16.38	91-57-6	
2-Methylphenol(o-Cresol)	ND ug/k	g	4040	1	05/04/10 19 46	05/07/10 16·38	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND ug/k	g	8070	1	05/04/10 19 46	05/07/10 16:38		
Naphthalene	ND ug/k	g	4040	1	05/04/10 19.46	05/07/10 16.38	91-20-3	
2-Nitroaniline	ND ug/k	g	10100	1	05/04/10 19.46	05/07/10 16:38	88-74-4	
3-Nitroaniline	ND ug/k	g	10100	1	05/04/10 19:46	05/07/10 16:38	99-09-2	
4-Nitroaniline	ND ug/k	g	10100	1	05/04/10 19:46	05/07/10 16:38	100-01-6	
Nitrobenzene	ND ug/k	0	4040	1	05/04/10 19:46	05/07/10 16:38	98-95-3	

Date. 06/11/2010 05:17 PM

REPORT OF LABORATORY ANALYSIS

Page 5 of 54

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CABOT-EPA 006881



ANALYTICAL RESULTS

Project:

2H/4H

Pace Project No.:

3027040

2H/4H-R.PIT Sample:

Lab ID: 3027040001

Collected: 05/01/10 01:00 Received: 05/04/10 12:40 Matrix: Solid

Results reported on a "dry-weight" basis

Comments:

One internal standard recovery associated with this sample exceed the lower control limit. The reported results should be considered biased high.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE	Analytical Met	thod: EPA 827	0 Preparation Meth	nod: EF	PA 3546			
2-Nitrophenol	ND ug	g/kg	4040	1	05/04/10 19:46	05/07/10 16:38	88-75-5	
4-Nitrophenol	ND uç	g/kg	4040	1	05/04/10 19 46	05/07/10 16:38	100-02-7	
N-Nitrosodimethylamine	ND ug	g/kg	4040	1	05/04/10 19.46	05/07/10 16.38	62-75-9	
N-Nitroso-di-n-propylamine	ND ug	g/kg	4040	1	05/04/10 19:46	05/07/10 16:38	621-64-7	
N-Nitrosodiphenylamine	ND ug	g/kg	4040	1	05/04/10 19:46	05/07/10 16:38	86-30-6	
Pentachlorophenol	ND ug	g/kg	10100	1	05/04/10 19:46	05/07/10 16:38	87-86-5	
Phenanthrene	ND ug	g/kg	4040	1	05/04/10 19:46	05/07/10 16 38	85-01-8	
Phenol	ND ug	g/kg	4040	1	05/04/10 19:46	05/07/10 16:38	108-95-2	
Pyrene	ND ug	g/kg	4040	1	05/04/10 19:46	05/07/10 16:38	129-00-0	
1,2,4-Trichlorobenzene	ND ug	g/kg	4040	1	05/04/10 19.46	05/07/10 16:38	120-82-1	
2,4,5-Trichlorophenol	ND ug	g/kg	1010 0	1	05/04/10 19:46	05/07/10 16:38	95-95-4	
2,4,6-Trichlorophenol	ND ug	g/kg	4040	1	05/04/10 19:46	05/07/10 16:38	88-06-2	
Nitrobenzene-d5 (S)	44 %		35-114	1	05/04/10 19:46	05/07/10 16:38	4165-60-0	
2-Fluorobiphenyl (S)	45 %	, 3	43-116	1	05/04/10 19:46	05/07/10 16.38	321-60-8	
Terphenyl-d14 (S)	37 %	,	33-141	1	05/04/10 19:46	05/07/10 16:38	1718-51-0	
Phenol-d6 (S)	44 %	,	10-110	1	05/04/10 19:46	05/07/10 16:38	13127-88-3	
2-Fluorophenol (S)	48 %	,	21-110	1	05/04/10 19:46	05/07/10 16 38	367-12-4	
2,4,6-Tribromophenol (S)	42 %		10-123	1		05/07/10 16.38		
8260 MSV 5030 Low Level	Analytical Me	thod: EPA 826	30					
Acetone	1760 u	g/kg	86.3	1		05/04/10 18:05	67-64-1	
Benzene	ND u	g/kg	43 1	1		05/04/10 18:05	71-43-2	
Bromochloromethane	ND u	g/kg	43.1	1		05/04/10 18:05	74-97-5	
Bromodichloromethane	ND u	g/kg	43.1	1		05/04/10 18:05	75-27-4	
Bromoform	ND u	g/kg	43.1	1		05/04/10 18:05	75-25-2	
Bromomethane	ND u	g/kg	43.1	1		05/04/10 18:05	74-83-9	
TOTAL BTEX	ND u	g/kg	259	1		05/04/10 18 05		
2-Butanone (MEK)	ND u	g/kg	86.3	1		05/04/10 18.05	78-93-3	
n-Butylbenzene	ND u	g/kg	43 1	1		05/04/10 18:05	104-51-8	
sec-Butylbenzene	106 u	g/kg	43.1	1		05/04/10 18:05	135-98- 8	
Carbon disulfide	ND u	g/kg	43.1	1		05/04/10 18 05	75-15-0	
Carbon tetrachloride	ND u	g/kg	43.1	1		05/04/10 18:05	56-23-5	
Chlorobenzene	ND u	g/kg	43.1	1		05/04/10 18:05	108-90-7	
Chloroethane	ND u	g/kg	43.1	1		05/04/10 18:05	75-00-3	
Chloroform	ND u		43.1	1		05/04/10 18 05	67-66-3	
Chloromethane	ND u		43.1	1		05/04/10 18 05	74-87-3	
Dibromochloromethane	ND u		43.1	1		05/04/10 18:05	124-48-1	
1,2-Dichlorobenzene	ND u		43.1	1		05/04/10 18:05		
1,3-Dichlorobenzene	ND u		43.1	1		05/04/10 18.05		
1,4-Dichlorobenzene	ND u		43.1	1		05/04/10 18.05		
1,1-Dichloroethane	ND u		43 1	1		05/04/10 18:05		
1,2-Dichloroethane	ND u		43.1	1		05/04/10 18:05		
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REPORT OF LABORATORY ANALYSIS

Page 6 of 54

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CABOT-EPA 006882



ANALYTICAL RESULTS

Project.

2H/4H

Pace Project No

3027040

Sample:

2H/4H-R.PIT

Lab ID: 3027040001

Collected: 05/01/10 01:00 Received: 05/04/10 12:40 Matrix: Solid

Results reported on a "dry-weight" basis

Comments • One internal standard recovery associated with this sample exceed the lower control limit. The reported results should be

considered biased high

cis-1,2-Dichloroethene ND ug/kg 43.1 1 05/trans-1,2-Dichloroethene 1,2-Dichloropropane ND ug/kg 43.1 1 05/trans-1,3-Dichloropropane cis-1,3-Dichloropropene ND ug/kg 43.1 1 05/trans-1,3-Dichloropropene ND ug/kg 43.1 1 05/trans-1,3-Dichloropropene ND ug/kg 43.1 1 05/trans-1,3-Dichloropropene ND ug/kg 43.1 1 05/trans-1,3-Dichloropropene ND ug/kg 43.1 1 05/trans-1,3-Dichloropropene Ethylbenzene ND ug/kg 43.1 1 05/trans-1,3-Dichloropropene ND ug/kg 86.3 1 05/trans-1,3-Dichloropropene ND ug/kg 43.1 1			
cis-1,2-Dichloroethene ND ug/kg 43.1 1 05/trans-1,2-Dichloroethene 1,2-Dichloropropane ND ug/kg 43.1 1 05/trans-1,3-Dichloropropane cis-1,3-Dichloropropene ND ug/kg 43.1 1 05/trans-1,3-Dichloropropene ND ug/kg 43.1 1 05/trans-1,3-Dichloropropene ND ug/kg 43.1 1 05/trans-1,3-Dichloropropene Ethylbenzene ND ug/kg 43.1 1 05/trans-1,3-Dichloropropene 2-Hexanone ND ug/kg 43.1 1 05/trans-1,3-Dichloropropene 2-Hexanone ND ug/kg 86.3 1 05/trans-1,3-Dichloropropene 2-Hexanone ND ug/kg 43.1 1 05/trans-1,3-Dichloropropene			
trans-1,2-Dichloroethene ND ug/kg 43.1 1 05/ 1,2-Dichloropropane ND ug/kg 43.1 1 05/ cis-1,3-Dichloropropene ND ug/kg 43.1 1 05/ trans-1,3-Dichloropropene ND ug/kg 43.1 1 05/ Ethylbenzene ND ug/kg 43.1 1 05/ 2-Hexanone ND ug/kg 86.3 1 05/ Isopropylbenzene (Cumene) 72.8 ug/kg 43.1 1 05/ p-Isopropyltoluene 260 ug/kg 43.1 1 05/ Methylene Chloride ND ug/kg 43.1 1 05/ 4-Methyl-2-pentanone (MIBK) ND ug/kg 86.3 1 05/ Methyl-tert-butyl ether ND ug/kg 43.1 1 05/ Naphthalene ND ug/kg 43.1 1 05/	04/10 18:05	75-35-4	
1,2-Dichloropropane ND ug/kg 43.1 1 05/cts-1,3-Dichloropropene cis-1,3-Dichloropropene ND ug/kg 43.1 1 05/cts-1,3-Dichloropropene trans-1,3-Dichloropropene ND ug/kg 43.1 1 05/cts-1 Ethylbenzene ND ug/kg 43.1 1 05/cts-1 2-Hexanone ND ug/kg 86.3 1 05/cts-1 Isopropylbenzene (Cumene) 72.8 ug/kg 43.1 1 05/cts-1 p-Isopropyltoluene 260 ug/kg 43.1 1 05/cts-1 Methylene Chloride ND ug/kg 43.1 1 05/cts-1 4-Methyl-2-pentanone (MIBK) ND ug/kg 86.3 1 05/cts-1 Methyl-tert-butyl ether ND ug/kg 43.1 1 05/cts-1 Naphthalene ND ug/kg 43.1 1 05/cts-1	04/10 18 [.] 05	156-59-2	
cis-1,3-Dichloropropene ND ug/kg 43.1 1 05/trans-1,3-Dichloropropene trans-1,3-Dichloropropene ND ug/kg 43.1 1 05/trans-1,3-Dichloropropene Ethylbenzene ND ug/kg 43.1 1 05/trans-1,3-Dichloropropene 2-Hexanone ND ug/kg 86.3 1 05/trans-1,3-Dichloropropene 2-Hexanone ND ug/kg 86.3 1 05/trans-1,3-Dichloropropene Isopropylbenzene (Cumene) 72.8 ug/kg 43.1 1 05/trans-1,3-Dichloropropene p-Isopropylbenzene (Cumene) 72.8 ug/kg 43.1 1 05/trans-1,3-Dichloropropene p-Isopropylbenzene<	04/10 18.05	156-60-5	
trans-1,3-Dichloropropene ND ug/kg 43.1 1 05/l Ethylbenzene ND ug/kg 43.1 1 05/l 2-Hexanone ND ug/kg 86.3 1 05/l Isopropylbenzene (Cumene) 72.8 ug/kg 43.1 1 05/l p-Isopropyltoluene 260 ug/kg 43.1 1 05/l Methylene Chloride ND ug/kg 43.1 1 05/l 4-Methyl-2-pentanone (MIBK) ND ug/kg 86.3 1 05/l Methyl-tert-butyl ether ND ug/kg 43.1 1 05/l Naphthalene ND ug/kg 43.1 1 05/l	04/10 18:05	78-87-5	
Ethylbenzene ND ug/kg 43.1 1 05/2 2-Hexanone ND ug/kg 86.3 1 05/2 Isopropylbenzene (Cumene) 72.8 ug/kg 43.1 1 05/2 p-Isopropyltoluene 260 ug/kg 43.1 1 05/2 Methylene Chloride ND ug/kg 43.1 1 05/2 4-Methyl-2-pentanone (MIBK) ND ug/kg 86.3 1 05/2 Methyl-tert-butyl ether ND ug/kg 43.1 1 05/2 Naphthalene ND ug/kg 43.1 1 05/2	04/10 18:05	10061-01-5	
2-Hexanone ND ug/kg 86 3 1 05/l Isopropylbenzene (Cumene) 72.8 ug/kg 43.1 1 05/l p-Isopropyltoluene 260 ug/kg 43.1 1 05/l Methylene Chloride ND ug/kg 43.1 1 05/l 4-Methyl-2-pentanone (MIBK) ND ug/kg 86.3 1 05/l Methyl-tert-butyl ether ND ug/kg 43.1 1 05/l Naphthalene ND ug/kg 43.1 1 05/l	04/10 18:05	10061-02-6	
Isopropylbenzene (Cumene) 72.8 ug/kg 43.1 1 05/ p-Isopropyltoluene 260 ug/kg 43.1 1 05/ Methylene Chloride ND ug/kg 43.1 1 05/ 4-Methyl-2-pentanone (MIBK) ND ug/kg 86.3 1 05/ Methyl-tert-butyl ether ND ug/kg 43.1 1 05/ Naphthalene ND ug/kg 43.1 1 05/	04/10 18.05	100-41-4	
p-Isopropyltoluene 260 ug/kg 43.1 1 05/ Methylene Chloride ND ug/kg 43.1 1 05/ 4-Methyl-2-pentanone (MIBK) ND ug/kg 86.3 1 05/ Methyl-tert-butyl ether ND ug/kg 43.1 1 05/ Naphthalene ND ug/kg 43.1 1 05/	04/10 18:05	591-78-6	
Methylene Chloride ND ug/kg 43.1 1 05/ 4-Methyl-2-pentanone (MIBK) ND ug/kg 86.3 1 05/ Methyl-tert-butyl ether ND ug/kg 43.1 1 05/ Naphthalene ND ug/kg 43.1 1 05/	04/10 18:05	98-82-8	
4-Methyl-2-pentanone (MIBK) ND ug/kg 86.3 1 05/ Methyl-tert-butyl ether ND ug/kg 43.1 1 05/ Naphthalene ND ug/kg 43.1 1 05/	04/10 18:05	99-87-6	
Methyl-tert-butyl ether ND ug/kg 43 1 1 05/ Naphthalene ND ug/kg 43.1 1 05/	04/10 18.05	75-09-2	
Naphthalene ND ug/kg 43.1 1 05/	04/10 18:05	108-10-1	
•	04/10 18:05	1634-04-4	
	04/10 18:05	91-20-3	
n-Propylbenzene ND ug/kg 43.1 1 05/	04/10 18:05	103-65-1	
Styrene ND ug/kg 43.1 1 05/	04/10 18.05	100-42-5	
1,1,2,2-Tetrachloroethane ND ug/kg 43 1 1 05/	04/10 18:05	79-34-5	
Tetrachloroethene 101 ug/kg 43 1 1 05	04/10 18:05	127-18-4	
Toluene ND ug/kg 43.1 1 05.	/04/10 18:05	108-88-3	
1,2,4-Trichlorobenzene ND ug/kg 43.1 1 05.	/04/10 18 05	120-82-1	
1,1,1-Trichloroethane ND ug/kg 43.1 1 05.	/04/10 18.05	71-55-6	
1,1,2-Trichloroethane ND ug/kg 43.1 1 05.	/04/10 18:05	79-00-5	
Trichloroethene ND ug/kg 43.1 1 05.	/04/10 18:05	79-01-6	
1,2,4-Trimethylbenzene 899 ug/kg 43.1 1 05.	/04/10 18:05	95-63-6	
1,3,5-Trimethylbenzene 475 ug/kg 43.1 1 05.	/04/10 18:05	108-67-8	
Vinyl chloride ND ug/kg 43.1 1 05.	/04/10 18:05	75-01-4	
Xylene (Total) 236 ug/kg 129 1 05.	/04/10 18.05	1330-20-7	
m&p-Xylene 117 ug/kg 86.3 1 05.	/04/10 18:05	179601-23-1	
o-Xylene 119 ug/kg 43.1 1 05.	/04/10 18:05	95-47-6	
Toluene-d8 (S) 130 % 70-130 1 05	/04/10 18:05	2037-26-5	
4-Bromofluorobenzene (S) 161 % 70-130 1 05	/04/10 18:05	460-00-4	S0
1,2-Dichloroethane-d4 (S) 108 % 70-130 1 05	/04/10 18.05	17060-07-0	
Percent Moisture Analytical Method: ASTM D2974-87			
Percent Moisture 75.5 % 0.10 1 05			

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REPORT OF LABORATORY ANALYSIS

Page 7 of 54

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CABOT-EPA 006883



ANALYTICAL RESULTS

Project: 2H/4H
Pace Project No: 3027040

Sample: 2H/4H-R.PIT	Lab ID: 3027040002	2 Collected	05/01/10 01:	20 Received: 05	5/04/10 12:40	Matrix Solid	
Results reported on a "dry-weigh							_
Parameters	Results Unit	Report	Limit DF	Prepared	Analyzed	CAS No.	Qua
6010 MET ICP	Analytical Method: EPA	A 6010B Prepara	tion Method:	EPA 3050			
Aluminum	14600 mg/kg		19.0 1	05/05/10 16:16	05/06/10 11:30	7429-90-5	
Antimony	5.0 mg/kg		0 95 1	05/05/10 16:16	05/06/10 11:30	7440-36-0	
Arsenic	22.9 mg/kg		0.95 1	05/05/10 16:16	05/06/10 11:30	7440-38-2	
Barium	19700 mg/kg		38.1 10	05/05/10 16.16	05/06/10 13:23	3 7440-39-3	
Beryllium	0.91 mg/kg		0.38 1	05/05/10 16:16	05/06/10 11:30	7440-41-7	
Boron	26.6 mg/kg		95 1	05/05/10 16:16	05/06/10 11:30	7440-42-8	
Cadmium	1.0 mg/kg		0.38 1	05/05/10 16:16	05/06/10 11:30	7440-43-9	
Calcium	20300 mg/kg		381 1	05/05/10 16:16	05/06/10 11:30	7440-70-2	
Chromium	32.9 mg/kg		0.95 1	05/05/10 16:16	05/06/10 11:30	7440-47-3	
Cobalt	13.9 mg/kg		1.9 1	05/05/10 16:16	05/06/10 11:30	7440-48-4	
Copper	87.9 mg/kg		1 .9 1	05/05/10 16:16	05/06/10 11:30	7440-50-8	
Iron	25200 mg/kg		190 1		05/06/10 11.30		
Lead	251 mg/kg		0.95 1	05/05/10 16:16	05/06/10 11:30	7439-92-1	
Magnesium	4700 mg/kg		95.2 1		05/06/10 11:30		
Manganese	577 mg/kg		1.9 1		05/06/10 11:30		
Molybdenum	22.3 mg/kg		3.8 1		05/06/10 11:30		
Nickel	48.4 mg/kg		3.8 1		05/06/10 11:30		
Potassium	4370 mg/kg		95.2 1		05/06/10 11:30		
Selenium	ND mg/kg		0.95 1		05/06/10 11:30		
Silver	0.59 mg/kg		0.38 1		05/06/10 11:30		
Sodium	2730 mg/kg		952 1		05/06/10 11:30		
Thallium	ND mg/kg		3.8 1		05/06/10 11.30		
Vanadium	42.6 mg/kg		1.9 1		05/06/10 11:30		
Zinc	162 mg/kg		1.9 1		05/06/10 11:3		
		A 7474 B			usivaria ii.si	0 7440-00-0	
7471 Mercury	Analytical Method: EP	A /4/1 Preparati					
Mercury	0.40 mg/kg		0.29 1	05/05/10 11:12	05/06/10 10 3	7 7439-97-6	
8270 MSSV FULL LIST MICROWAVE	Analytical Method. EP.	A 8270 Preparati	on Method [.] I	EPA 3546			
Acenaphthene	ND ug/kg		3040 1	05/04/10 19:46	05/07/10 17:0	1 83-32-9	
Acenaphthylene	ND ug/kg		3040 1	05/04/10 19:46	05/07/10 17:0	1 208-96-8	
Anthracene	ND ug/kg		3040 1	05/04/10 19:46	05/07/10 17:0	1 120-12-7	
Azobenzene	ND ug/kg		3040 1	05/04/10 19:46	05/07/10 17:0	1 103-33-3	
Benzo(a)anthracene	ND ug/kg		3040 1		05/07/10 17:0		
Benzo(a)pyrene	ND ug/kg		3040 1		05/07/10 17:0		
Benzo(b)fluoranthene	ND ug/kg		3040 1		05/07/10 17:0		
Benzo(g,h,i)perylene	ND ug/kg		3040 1		05/07/10 17.0		
Benzo(k)fluoranthene	ND ug/kg		3040 1		05/07/10 17.0		
Benzoic acid	ND ug/kg		7600 1		05/07/10 17:0		
Denzoic acid	ND ug/kg		3040 1		05/07/10 17:0		
					05/07/10 17:0		
Benzyl alcohol			3040 1				
Benzyl alcohol 4-Bromophenylphenyl ether	ND ug/kg		3040 1 3040 1				
Benzyl alcohoi 4-Bromophenylphenyl ether Butylbenzylphthalate	ND ug/kg ND ug/kg		3040 1	05/04/10 19:46	05/07/10 17:0	1 85-68-7	
Benzyl alcohol 4-Bromophenylphenyl ether	ND ug/kg			05/04/10 19:46 05/04/10 19:46		1 85-68-7 1 86-74-8	

Date: 06/11/2010 05.17 PM

REPORT OF LABORATORY ANALYSIS

Page 8 of 54

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CABOT-EPA 006884



ANALYTICAL RESULTS

Project: 2H/4H Pace Project No.: 3027040

Collected: 05/01/10 01:20 Received: 05/04/10 12.40 Matrix: Solid Sample: 2H/4H-R.PIT Lab ID: 3027040002

Results	reported	on a	"dry-weight"	basis
---------	----------	------	--------------	-------

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qua
8270 MSSV FULL LIST MICROWAVE	Analytical Met	hod: EPA 827	0 Preparation Met	hod: EF	^A 3546			
bis(2-Chloroethoxy)methane	ND ug	ı/kg	3040	1	05/04/10 19 [.] 46	05/07/10 17:01	111-91-1	
bis(2-Chloroethyl) ether	ND ug	/kg	3040	1	05/04/10 19:46	05/07/10 17:01	111-44-4	
bis(2-Chloroisopropyl) ether	ND ug	ı/kg	3040	1	05/04/10 19:46	05/07/10 17 01	108-60-1	
2-Chloronaphthalene	ND ug	-	3040	1		05/07/10 17.01		
2-Chlorophenol	ND ug	ı/kg	3040	1		05/07/10 17:01		
4-Chlorophenylphenyl ether	ND ug		3040	1		05/07/10 17:01		
Chrysene	ND ug	ı/kg	3040	1		05/07/10 17.01		
Dibenz(a,h)anthracene	ND ug	•	3040	1		05/07/10 17:01		
Dibenzofuran	ND ug		3040	1		05/07/10 17:01		
1,2-Dichlorobenzene	ND ug	-	3040	1		05/07/10 17:01		
1,3-Dichlorobenzene	ND ug		3040	1		05/07/10 17:01		
1,4-Dichlorobenzene	ND ug		3040	1		05/07/10 17:01		
3,3'-Dichlorobenzidine	ND ug		3040	1		05/07/10 17:01		
2,4-Dichlorophenol	ND ug		3040	1		05/07/10 17:01		
Diethylphthalate	ND ug		3040	1		05/07/10 17:01		
2,4-Dimethylphenol	ND ug	. •	3040	1		05/07/10 17:01		
Dimethylphthalate	ND ug	-	3040	1		05/07/10 17.01		
Di-n-butylphthalate	_	j/kg	3040	1		05/07/10 17:01		
I,6-Dinitro-2-methylphenol	ND ug		7600	1		05/07/10 17:01		
2,4-Dinitrophenol	ND ug		7600	1		05/07/10 17:01		
2,4-Dinitrotoluene	ND ug		3040	1		05/07/10 17:01		
2,6-Dinitrotoluene	ND ug		3040	1				
Di-n-octylphthalate	_		3040	1		05/07/10 17:01		
pis(2-Ethylhexyl)phthalate	ND ug	_	· -	1		05/07/10 17.01		
Fluoranthene	ND ug		3040			05/07/10 17:01		
Fluorene	ND ug	. •	3040	1		05/07/10 17:01		
	ND ug		3040	1		05/07/10 17:01		
Hexachloro-1,3-butadiene	ND ug		3040	1		05/07/10 17 01		
Hexachlorobenzene	ND ug		3040	1		05/07/10 17:01		
Hexachlorocyclopentadiene	ND ug		3040	1		05/07/10 17:01		
Hexachloroethane	ND ug		3040	1		05/07/10 17.01		
ndeno(1,2,3-cd)pyrene	-	j/kg	3040	1		05/07/10 17.01		
sophorone	ND ug		3040	1		05/07/10 17:01		
1-Methylnaphthalene		g/kg	3040	1		05/07/10 17:01		
2-Methylnaphthalene	ND ug	. •	3040	1		05/07/10 17.01		
2-Methylphenol(o-Cresol)	ND ug		3040	1		05/07/10 17.01	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND ug		6080	1	05/04/10 19:46	05/07/10 17:01		
Naphthalene	ND ug		3040	1	05/04/10 19:46	05/07/10 17:01	91-20-3	
2-Nitroaniline	ND ug		7600	1	05/04/10 19.46	05/07/10 17:01	88-74-4	
3-Nitroaniline	ND ug	. •	7600	1	05/04/10 19 46	05/07/10 17.01	99-09-2	
4-Nitroaniline	ND ug	-	7600	1	05/04/10 19:46	05/07/10 17.01	100-01-6	
Nitrobenzene	ND ug	g/kg	3040	1	05/04/10 19:46	05/07/10 17:01	98-95-3	
2-Nitrophenol	ND ug	g/kg	3040	1	05/04/10 19:46	05/07/10 17:01	88-75-5	
4-Nitrophenol	ND ug	g/kg	3040	1	05/04/10 19 46	05/07/10 17:01	100-02-7	
N-Nitrosodimethylamine	ND ug	g/kg	3040	1	05/04/10 19.46	05/07/10 17:01	62-75-9	
N-Nitroso-di-n-propylamine	ND ug	g/kg	3040	1	05/04/10 19:46	05/07/10 17.01	621-64-7	

Date. 06/11/2010 05:17 PM

REPORT OF LABORATORY ANALYSIS

Page 9 of 54

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CABOT-EPA 006885



ANALYTICAL RESULTS

Project:

2H/4H

Pace Project No.: 3027040

Sample: 2H/4H-R.PIT Results reported on a "dry-weig	Lab ID: 302 ht" basis	1040002	Collected: 05/01/1	01.20	Received: 05	7047 IU 12 4U IV	latrix: Solid	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qua
8270 MSSV FULL LIST MICROWAVE	Analytical Met	hod: EPA 82	70 Preparation Meti	nod: EP	A 3546			
N-Nitrosodiphenylamine	ND ug	ı/kg	3040	1	05/04/10 19:46	05/07/10 17.01	86-30-6	
Pentachlorophenol	ND ug	ı/kg	7600	1	05/04/10 19:46	05/07/10 17.01	87-86-5	
Phenanthrene	ND ug		3040	1	05/04/10 19.46	05/07/10 17.01	85-01-8	
Phenol	ND ug	-	3040	1	05/04/10 19.46	05/07/10 17:01	108-95-2	
Pyrene	ND ug	-	3040	1		05/07/10 17:01		
1,2,4-Trichlorobenzene	ND ug	_	3040	1		05/07/10 17:01		
2,4,5-Trichlorophenol	ND ug		7600	1		05/07/10 17:01		
2,4,6-Trichlorophenol	ND ug	-	3040	1		05/07/10 17:01		
Nitrobenzene-d5 (S)	48 %	•	35-114	1		05/07/10 17.01		
2-Fluorobiphenyl (S)	49 %		43-116	1		05/07/10 17:01		
Terphenyl-d14 (S)	58 %		33-141	1		05/07/10 17:01		
Phenoi-d6 (S)	39 %		10-110	1		05/07/10 17:01		
2-Fluorophenol (S)	28 %		21-110	1		05/07/10 17:01		
2,4,6-Tribromophenol (S)	21 %		10-123	1		05/07/10 17:01		
				'	05/04/10 19.40	03/07/10 17:01	110-79-0	
8260 MSV 5030 Low Level	Analytical Met							
Acetone	ND ug	J/kg	3200	50		05/05/10 15:49	67-64-1	
Benzene	ND ug	J/kg	15.0	1		05/04/10 18:29	71-43-2	
Bromochloromethane	ND ug	ı/kg	15. 0	1		05/04/10 18:29	74-97-5	
Bromodichloromethane	ND ug	g/kg	15 0	1		05/04/10 18:29	75-27-4	
Bromoform	ND ug	g/kg	15.0	1		05/04/10 18:29	75-25-2	
Bromomethane	ND ug	g/kg	15.0	1		05/04/10 18:29	74-83-9	
TOTAL BTEX	223 ug	g/kg	90.0	1		05/04/10 18:29		
2-Butanone (MEK)	85.2 ug	g/kg	30.0	1		05/04/10 18:29	78-93-3	
n-Butylbenzene	35.5 ug	g/kg	15.0	1		05/04/10 18:29	104-51-8	
sec-Butylbenzene	34.4 ug	g/kg	15 0	1		05/04/10 18 29	135-98-8	
Carbon disulfide	43.6 ug	g/kg	15.0	1		05/04/10 18:29	75-15-0	
Carbon tetrachloride	ND ug		15.0	1		05/04/10 18:29	56-23-5	
Chlorobenzene	ND us		15.0	1		05/04/10 18:29	108-90-7	
Chloroethane	ND us		15.0	1		05/04/10 18.29	75-00-3	
Chloroform	ND us		15.0	1		05/04/10 18:29		
Chloromethane	ND ug		15 0	1		05/04/10 18 29		
Dibromochloromethane	ND us		15 0	1		05/04/10 18 29		
1,2-Dichlorobenzene	ND u		15.0	1		05/04/10 18:29	-	
1,3-Dichlorobenzene	ND u		15.0	1		05/04/10 18:29		
1,4-Dichlorobenzene	ND u		15.0	1		05/04/10 18:29		
1.1-Dichloroethane	ND u		15.0	1		05/04/10 18:29		
1,2-Dichloroethane	ND u		15 0	1		05/04/10 18:29		
1,2-Dichloroethene (Total)	ND uş		30 0	1		05/04/10 18:29		
1,1-Dichloroethene			30 U 15 O	1		05/04/10 18:29		
•	ND u			1				
cis-1,2-Dichloroethene	ND u		15.0			05/04/10 18:29		
trans-1,2-Dichloroethene	ND ug		15.0	1		05/04/10 18:29		
1,2-Dichloropropane	ND u		15.0	1		05/04/10 18:29		
cis-1,3-Dichloropropene	ND u		15.0	1		05/04/10 18:29		
trans-1,3-Dichloropropene	ND u	укд	15.0	1		05/04/10 18:29	10061-02-6	

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REPORT OF LABORATORY ANALYSIS

Page 10 of 54

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CABOT-EPA 006886



ANALYTICAL RESULTS

Project:

2H/4H

Pace Project No.: 3027040

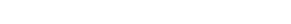
Sample: 2H/4H-R.PIT	Lab ID: 302	7040002	Collected: 0	5/01/10	01.20	Received:	05/04/10 12:40	Matrix: Solid	
Result <mark>s reported</mark> on a "dry-weight"	' basis								
Parameters	Results	Units	Report L	imit	DF	Prepared	Analyzed	CAS No.	Qua
8260 MSV 5030 Low Level	Analytical Meth	nod: EPA 826	30						
Ethylbenzene	25.8 ug	/kg		15.0	1		05/04/10 18:2	9 100-41-4	
2-Hexanone	ND ug	/kg		30.0	1		05/04/10 18 2	9 591-78-6	
Isopropyibenzene (Cumene)	20.3 ug	/kg		15.0	1		05/04/10 18 2	9 98-82-8	
p-Isopropyltoluene	83.7 ug	/kg		15.0	1		05/04/10 18 2	9 99-87-6	
Methylene Chloride	ND ug	/kg		15.0	1		05/04/10 18 2	9 75-09-2	
4-Methyl-2-pentanone (MIBK)	88.0 ug	/kg		30 0	1		05/04/10 18:2	9 108-10-1	
Methyl-tert-butyl ether	ND ug	/kg		15 0	1		05/04/10 18:2	9 1634-04-4	
Naphthalene	49.5 ug	/kg		15.0	1		05/04/10 18:2	9 91-20-3	
n-Propylbenzene	29.2 ug			15.0	1		05/04/10 18:2	9 103-65-1	
Styrene	ND ug			15.0	1		05/04/10 18:2	9 100-42-5	
1,1,2,2-Tetrachloroethane	ND ug	/kg		15.0	1		05/04/10 18 ⁻ 2	9 79-34-5	
Tetrachloroethene	37.0 ug	/kg		15.0	1		05/04/10 18·2	9 127-18-4	
Toluene	15.8 ug			15.0	1		05/04/10 18 2	9 108-88-3	
1,2,4-Trichlorobenzene	ND ug			15.0	1		05/04/10 18:2	9 120-82-1	
1,1,1-Trichloroethane	ND ug			15.0	1		05/04/10 18:2	9 71-55-6	
1,1,2-Trichloroethane	ND ug			15.0	1		05/04/10 18:2	9 79-00-5	
Trichloroethene	ND ug	•		15 O	1		05/04/10 18:2	9 79-01-6	
1,2,4-Trimethylbenzene	291 ug	/kg		15.0	1		05/04/10 18:2	9 95-63-6	
1,3,5-Trimethylbenzene	125 ug	_		15.0	1		05/04/10 18·2	9 108-67-8	
Vinyl chloride	ND ug	_		15.0	1		05/04/10 18 2	9 75-01-4	
Xylene (Total)	181 ug	/ka		45.0	1		05/04/10 18.2	9 1330-20-7	
m&p-Xylene	110 ug	-		30.0	1			9 179601-23-1	
o-Xylene	70.9 ug			15 0	1		05/04/10 18:2		
Toluene-d8 (S)	104 %		70	0-130	1		05/04/10 18:2		
4-Bromofluorobenzene (S)	108 %			0-130	1		05/04/10 18:2		
1,2-Dichloroethane-d4 (S)	106 %			0-130	1			9 17060-07-0	
Percent Moisture	Analytical Met	hod: ASTM [02974-87						
Percent Moisture	67.6 %			0.10	1		05/04/10 19:4	14	

Date: 06/11/2010 05:17 PM

REPORT OF LABORATORY ANALYSIS

Page 11 of 54





CABOT-EPA 006887



Project Pace Project No

Zinc

2H/4H

3027040

Pace Analytical Services, Inc. 1638 Roseytown Road - Suites 2,3,4 Greensburg, PA 15601 (724)850-5600

ANALYTICAL RESULTS

Sample: 2H/4H-SUMP Lab ID: 3027040003 Collected: 05/01/10 12.01 Received. 05/04/10 12.40 Matrix' Water Parameters Results Units Report Limit DF Prepared Analyzed CAS No. Qual **6010 MET ICP** Analytical Method: EPA 6010B Preparation Method EPA 3005 2530 ug/L 50 0 05/06/10 10.29 05/07/10 10:39 7429-90-5 Aluminum 1 ND ug/L 5.0 05/06/10 10:29 05/07/10 10 39 Antimony 7440-36-0 05/06/10 10:29 05/07/10 10:39 7440-38-2 Arsenic 7.6 ug/L 5.0 558 ug/L 10.0 05/06/10 10:29 05/07/10 10:39 7440-39-3 Barium 05/06/10 10:29 05/07/10 10 39 7440-41-7 ND ug/L Beryllium 10 1 50.0 05/06/10 10:29 05/07/10 10:39 Boron ND ug/L 7440-42-8 Cadmium ND ug/L 05/06/10 10 29 05/07/10 10:39 7440-43-9 1.0 21900 ug/L 1000 05/06/10 10:29 05/07/10 10 39 7440-70-2 Calcium Chromium ND ug/L 5.0 05/06/10 10:29 05/07/10 10:39 7440-47-3 Cobalt ND ug/L 5.0 05/06/10 10.29 05/07/10 10:39 7440-48-4 05/06/10 10:29 05/07/10 10:39 7440-50-8 7.7 ug/L 5.0 Copper 4230 ug/L 50.0 05/06/10 10:29 05/07/10 10:39 7439-89-6 Iron 7439-92-1 05/06/10 10 29 05/07/10 10:39 3.6 ug/L 2.0 Lead Magnesium 4490 ug/L 200 05/06/10 10:29 05/07/10 10:39 7439-95-4 310 ug/L 05/06/10 10:29 05/07/10 10:39 7439-96-5 5.0 Manganese Molybdenum ND ug/L 20.0 05/06/10 10:29 05/07/10 10:39 7439-98-7 10.0 05/06/10 10:29 05/07/10 10:39 7440-02-0 ND ug/L Nickel 1 Potassium 6160 ug/L 500 05/06/10 10 29 05/07/10 10:39 7440-09-7 ND ug/L 5.0 05/06/10 10.29 05/07/10 10:39 7782-49-2 Selenium Silver ND ug/L 1.0 05/06/10 10:29 05/07/10 10.39 7440-22-4 17600 ug/L 1000 05/06/10 10 29 05/07/10 10:39 7440-23-5 Sodium 1 Thallium ND ug/L 100 05/06/10 10:29 05/07/10 10.39 7440-28-0 1 ND ug/L 50 05/06/10 10:29 05/07/10 10:39 7440-62-2 Vanadium 48.8 ug/L

10.0

05/06/10 10:29 05/07/10 10:39 7440-66-6

6010 MET ICP, Lab Filtered Analytical Method: EPA 6010 Preparation Method: EPA 3005 Aluminum, Dissolved ND ug/L 50.0 05/06/10 10 33 05/07/10 10:45 7429-90-5 ND ug/L 05/06/10 10:33 05/07/10 10 45 7440-36-0 Antimony, Dissolved 50 Arsenic, Dissolved ND ug/L 5.0 05/06/10 10.33 05/07/10 10:45 7440-38-2 Barium, Dissolved 100 05/06/10 10:33 05/07/10 10:45 7440-39-3 97.2 ug/L 1 Beryllium, Dissolved ND ug/L 10 05/06/10 10:33 05/07/10 10.45 7440-41-7 ND ug/L 50.0 05/06/10 10 33 05/07/10 10:45 7440-42-8 Boron Dissolved Cadmium, Dissolved ND ug/L 1.0 05/06/10 10:33 05/07/10 10:45 7440-43-9 20500 ug/L 1000 05/06/10 10:33 05/07/10 10:45 7440-70-2 Calcium Dissolved 1 Chromium, Dissolved ND ug/L 5.0 05/06/10 10 33 05/07/10 10:45 7440-47-3 Cobalt, Dissolved ND ug/L 50 05/06/10 10.33 05/07/10 10.45 7440-48-4 Copper, Dissolved ND ug/L 50 05/06/10 10:33 05/07/10 10:45 7440-50-8 118 ug/L 50.0 05/06/10 10:33 05/07/10 10:45 7439-89-6 Iron, Dissolved 1 Lead, Dissolved ND ug/L 2.0 05/06/10 10:33 05/07/10 10:45 7439-92-1 3680 ug/L 200 05/06/10 10:33 05/07/10 10.45 7439-95-4 Magnesium, Dissolved Manganese, Dissolved 118 ug/L 5.0 05/06/10 10.33 05/07/10 10:45 7439-96-5 ND ug/L Molybdenum, Dissolved 200 05/06/10 10 33 05/07/10 10.45 7439-98-7 1 Nickel, Dissolved ND ug/L 100 1 05/06/10 10:33 05/07/10 10:45 7440-02-0 5670 ug/L Potassium, Dissolved 500 05/06/10 10:33 05/07/10 10:45 7440-09-7 1 Selenium, Dissolved ND ug/L 50 1 05/06/10 10.33 05/07/10 10:45 7782-49-2 Silver, Dissolved ND ug/L 1.0 1 05/06/10 10:33 05/07/10 10 45 7440-22-4 Sodium, Dissolved 17700 ug/L 1000 1 05/06/10 10:33 05/07/10 10:45 7440-23-5

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REPORT OF LABORATORY ANALYSIS

Page 12 of 54

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CABOT-EPA 006888



ANALYTICAL RESULTS

Project. 2H/4H

Sample: 2H/4H-SUMP	Lab ID: 302704000	3 Collected: 05/01/	10 12.01	Received: 05	i/04/10 12:40 I	Matrix: Water	
Parameters	Results Un	its Report Limit	DF	Prepared	Analyzed	CAS No.	Qua
6010 MET ICP, Lab Filtered	Analytical Method: EF	A 6010 Preparation Met	hod: EP/	A 3005			
Thallium, Dissolved	ND ug/L	10.0	1	05/06/10 10:33	05/07/10 10:45	7440-28-0	
Vanadium, Dissolved	ND ug/L	5.0	1	05/06/10 10:33	05/07/10 10:45	7440-62-2	
Zinc, Dissolved	13.8 ug/L	10.0	1	05/06/10 10:33	05/07/10 10.45	7440-66-6	
7470 Mercury	Analytical Method: EF	A 7470 Preparation Met	hod EPA	A 7470			
Mercury	ND ug/L	0 20	1	05/06/10 09:14	05/07/10 09.16	7439-97-6	
7470 Mercury, Lab Filtered	Analytical Method: EF	A 7470 Preparation Met	hod: EP/	A 7470			
Mercury, Dissolved	ND ug/L	0 20	1	05/06/10 09:13	05/07/10 09.09	7439-97-6	
8270 MSSV Semivolatile Organic	Analytical Method. EF	A 8270 Preparation Met	hod EP/	A 3510			
1,2,4-Trichlorobenzene	ND ug/L	1.0	1	05/05/10 10:45	05/09/10 16:20	120-82-1	
1,2-Dichlorobenzene	ND ug/L	1.0	1	05/05/10 10.45	05/09/10 16.20	95-50-1	
1,3-Dichlorobenzene	ND ug/L	1.0	1		05/09/10 16 20		
1,4-Dichlorobenzene	ND ug/L	1.0	1	05/05/10 10:45	05/09/10 16:20	106-46-7	
1-Methylnaphthalene	ND ug/L	1.0	1	05/05/10 10.45	05/09/10 16.20	90-12-0	
2,4,5-Trichlorophenol	ND ug/L	2.5	1		05/09/10 16.20		
2,4,6-Trichlorophenol	ND ug/L	10	1		05/09/10 16:20		
2,4-Dichlorophenol	ND ug/L	10	1		05/09/10 16:20		
2,4-Dimethylphenol	ND ug/L	1.0	1		05/09/10 16:20		
2,4-Dinitrophenol	ND ug/L	2.5	1		05/09/10 16:20		
2,4-Dinitrotoluene	ND ug/L	10	1		05/09/10 16:20		
2,6-Dinitrotoluene	ND ug/L	10	i		05/09/10 16:20		
2-Chloronaphthalene	ND ug/L	1.0	1		05/09/10 16:20		
2-Chlorophenol	ND ug/L	1.0	1		05/09/10 16:20		
2-Methylnaphthalene	ND ug/L	1.0	1		05/09/10 16:20		
2-Methylphenol(o-Cresol)	ND ug/L	1.0	1		05/09/10 16:20		
2-Nitroaniline	ND ug/L	2.5	1		05/09/10 16:20		
2-Nitrophenol	ND ug/L	10	1				
3&4-Methylphenol(m&p Cresol)	ND ug/L	2.0	1		05/09/10 16:20		
3,3'-Dichlorobenzidine	ND ug/L	1.0	1		05/09/10 16:20		
3-Nitroaniline	_				05/09/10 16:20		
	ND ug/L	2.5	1		05/09/10 16:20		
4,6-Dinitro-2-methylphenol 4-Bromophenylphenyl ether	ND ug/L	2.5	1		05/09/10 16:20		
	ND ug/L	10	1		05/09/10 16:20		
4-Chloro-3-methylphenol	ND ug/L	1.0	1		05/09/10 16:20		
4-Chlorophopylohopylothor	ND ug/L	1.0	1		05/09/10 16:20		
4-Chlorophenylphenyl ether	ND ug/L	1.0	1		05/09/10 16 20		
4-Nitroaniline	ND ug/L	2.5	1		05/09/10 16.20		
1-Nitrophenol	ND ug/L	1.0	1		05/09/10 16.20		
Acenaphthene	ND ug/L	1.0	1		05/09/10 16 20		
Acenaphthylene	ND ug/L	1.0	1	05/05/10 10:45			
Anthracene	ND ug/L	1.0	1		05/09/10 16 20		
Azobenzene	ND ug/L	1.0	1	05/05/10 10:45	05/09/10 16.20	103-33-3	
Benzo(a)anthracene	ND ug/L	1.0	1	05/05/10 10:45	05/09/10 16:20	56-55-3	
Benzo(a)pyrene	ND ug/L	1.0	1	05/05/10 10:45	05/09/10 16:20	50-32-8	
Benzo(b)fluoranthene	ND ug/L	1.0	1	05/05/10 10:45	05/09/10 16:20	205-99-2	

Date: 06/11/2010 05:17 PM

REPORT OF LABORATORY ANALYSIS

Page 13 of 54

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CABOT-EPA 006889



ANALYTICAL RESULTS

Project: 2H/4H
Pace Project No: 3027040

Date: 06/11/2010 05 17 PM

Sample:	2H/4H-SUMP	Lab ID: 3027	7040003	Collected: 05/01	′10 12: 01	Received: 05	/04/10 12·40	Matrix: Water	
Para	ameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qua
8270 MSSV Sem	ivolatile Organic	Analytical Meth	od EPA 82	270 Preparation Me	thod: EP	A 3510			
Benzo(g,h,i)peryle	ene	ND ug/	Ľ	1.0	1	05/05/10 10 [.] 45	05/09/10 16.20	191-24-2	
Benzo(k)fluoranth	nene	ND ug/	'L	1.0	1	05/05/10 10.45	05/09/10 16:20	207-08-9	
Benzoic acid		ND ug	′L	102	1	05/05/10 10:45	05/09/10 16:20	65-85-0	
Benzyl alcohol		ND ug/	L L	1.0	1	05/05/10 10.45	05/09/10 16 20	100-51-6	
Butylbenzylphthal	late	ND ug/	'L	1.0	1	05/05/10 10:45	05/09/10 16:20	85-68-7	
Carbazole		ND ug/	Ľ	1 0	1	05/05/10 10:45	05/09/10 16:20	86-74-8	
Chrysene		ND ug	Ľ	1.0	1	05/05/10 10 45	05/09/10 16.20	218-01-9	
Di-n-butylphthalai	te	ND ug	′L	1.0	1	05/05/10 10:45	05/09/10 16:20	84-74-2	
Di-n-octylphthalat	te	ND ug/	′L	1 0	1	05/05/10 10:45	05/09/10 16 ⁻ 20	117-84-0	
Dibenz(a,h)anthra	acene	ND ug	′L	1.0	1	05/05/10 10.45	05/09/10 16.20	53-70-3	
Dibenzofuran		ND ug	′L	1.0	1	05/05/10 10:45	05/09/10 16:20	132-64-9	
Diethylphthalate		ND ug.	/L	1 0	1	05/05/10 10.45	05/09/10 16·20	84-66-2	
Dimethylphthalate	3	ND ug	′L	1.0	1	05/05/10 10:45	05/09/10 16:20	131-11-3	
Fluoranthene		ND ug	′L	1.0	1	05/05/10 10:45	05/09/10 16:20	206-44-0	
Fluorene		ND ug.	/L	1.0	1	05/05/10 10.45	05/09/10 16.20	86-73-7	
Hexachloro-1,3-b	utadiene	ND ug.	/L	1.0	1	05/05/10 10:45	05/09/10 16:20	87-68-3	
Hexachlorobenze	ene	ND ug.	′L	1.0	1	05/05/10 10 45	05/09/10 16 20	118-74-1	
Hexachlorocyclop	pentadiene	ND ug.	/L	1.0	1	05/05/10 10:45	05/09/10 16:20	77-47-4	
Hexachloroethan	е	ND ug.	/L	1.0	1	05/05/10 10:45	05/09/10 16:20	67-72-1	
Indeno(1,2,3-cd);	oyrene	ND ug	/L	1.0	1	05/05/10 10.45	05/09/10 16.20	193-39-5	
Isophorone		ND ug.	/L	1.0	1	05/05/10 10:45	05/09/10 16:20	78-59-1	
N-Nitroso-di-n-pro	opylamine	ND ug.	/L	1.0	1	05/05/10 10.45	05/09/10 16.20	621-64-7	
N-Nitrosodimethy	lamine	ND ug.	/L	1.0	1	05/05/10 10:45	05/09/10 16.20	62-75-9	
N-Nitrosodipheny	lamine	ND ug.	/L	1.0	1	05/05/10 10.45	05/09/10 16:20	86-30-6	
Naphthalene		ND ug	/L	1.0	1	05/05/10 10.45	05/09/10 16:20	91-20-3	
Nitrobenzene		ND ug	/L	1.0	1	05/05/10 10:45	05/09/10 16:20	98-95-3	
Pentachlorophen	ol	ND ug	/L	2.5	1	05/05/10 10.45	05/09/10 16 20	87-86-5	
Phenanthrene		ND ug	/L	1.0	1	05/05/10 10:45	05/09/10 16:20	85-01-8	
Phenol		ND ug	/L	1.0	1	05/05/10 10 45	05/09/10 16:20	108-95-2	
Pyrene		ND ug	/L	1.0	1	05/05/10 10:45	05/09/10 16:20	129-00-0	
bis(2-Chloroetho	xy)methane	ND ug	/L	1.0	1	05/05/10 10 45	05/09/10 16:20	111-91-1	
bis(2-Chloroethyl) ether	ND ug	/L	1.0	1	05/05/10 10.45	05/09/10 16 20	111-44-4	
bis(2-Chloroisopr	opyl) ether	ND ug	/L	1.0	1	05/05/10 10:45	05/09/10 16:20	108-60-1	
bis(2-Ethylhexyl)		ND ug		10	1	05/05/10 10:45	05/09/10 16:20	117-81-7	
Nitrobenzene-d5	(S)	33 %		35-114	. 1	05/05/10 10:45	05/09/10 16:20	4165-60-0	S1
2-Fluorobiphenyl	(S)	33 %		43-116	1	05/05/10 10 ⁻ 45	05/09/10 16:20	3 21-60- 8	S1
Terphenyl-d14 (S	5)	49 %		33-141	1	05/05/10 10:45	05/09/10 16.20	1718-51-0	
Phenol-d6 (S)		13 %		10-110	1	05/05/10 10·45	05/09/10 16:20	13127-88-3	
2-Fluorophenol (S)	21 %		21-110	1	05/05/10 10 45	05/09/10 16:20	367-12-4	
2,4,6-Tribromoph		54 %		10-123	1		05/09/10 16:20		
8260 MSV		Analytical Meth	nod EPA8	260					
1,1,1-Trichloroeth	nane	ND ug	/L	1.0	1		05/05/10 01:11	71-55-6	
1,1,2,2-Tetrachlo	roethane	ND ug		1.0	1		05/05/10 01:11	79-34-5	
1,1,2-Trichloroeth		ND ug		1.0	1		05/05/10 01.11	79-00-5	
1,1-Dichloroethai		ND ug		1.0			05/05/10 01:11		
1,1-Dichloroether		ND ug		1.0	1		05/05/10 01:11		

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CABOT-EPA 006890

Page 14 of 54



ANALYTICAL RESULTS

Project:

2H/4H

Pace Project No.: 3027040

Sample:	2H/4H-SUMP	Lab ID: 302	7040003	Collected: 05/01/1	0 12:01	Received. 05	i/04/10 12.40 N	latrix. Water	
Par	ameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qua
8260 MSV		Analytical Met	hod: EPA 82	260					
1,2,4-Trichlorobe	nzene	ND uç	g/L	1.0	1		05/05/10 01:11	120-82-1	
1,2,4-Trimethylbe	enzene	ND ug	g/L	1.0	1		05/05/10 01:11	95-63-6	
1,2-Dichlorobenz	ene	ND ug	g/L	10	1		05/05/10 01:11	95-50-1	
1,2-Dichloroetha	ne	ND uç	g/L	1.0	1		05/05/10 01:11	107-06-2	
1,2-Dichloroethe	ne (Total)	ND ug	g/L	2.0	1		05/05/10 01:11	540-59-0	
1,2-Dichloroprop	ane	ND ug	g/L	1.0	1		05/05/10 01:11	78-87-5	
1,3,5-Trimethylbe	enzene	ND ug	g/L	1.0	1		05/05/10 01:11	108-67-8	
1,3-Dichlorobenz	ene	ND ug	g/L	1.0	1		05/05/10 01:11	541-73-1	
1,4-Dichlorobenz	ene	ND ug	- g/L	1.0	1		05/05/10 01:11	106-46-7	
2-Butanone (ME	K)	ND u	g/L	10 0	1		05/05/10 01:11	78-93-3	
2-Hexanone	•	ND u	g/L	10.0	1		05/05/10 01:11	591-78-6	
4-Methyl-2-penta	anone (MIBK)	ND u		10. 0	1		05/05/10 01:11	108-10-1	
Acetone	` ,	ND u		10 0	1		05/05/10 01:11		
Benzene		ND u		1.0	1		05/05/10 01:11	71-43-2	
Bromochloromet	hane	ND u	_	1.0	1		05/05/10 01:11		
Bromodichlorom	ethane	ND u	_	1.0	1		05/05/10 01:11	75-27-4	
Bromoform		ND u	-	1.0	1		05/05/10 01:11	75-25-2	
Bromomethane		ND u	•	1.0	1		05/05/10 01:11		
Carbon disulfide		ND u	-	1.0	1		05/05/10 01:11		
Carbon tetrachic		ND u	•	10	1		05/05/10 01:11		
Chlorobenzene		ND u		1.0	1		05/05/10 01:11		
Chloroethane		ND u	~	1.0	1		05/05/10 01:11		
Chloroform		ND u	-	1.0	1		05/05/10 01:11		
Chloromethane		ND u	-	1.0	1		05/05/10 01:11		
Dibromochlorom	ethane	ND u		1.0	1		05/05/10 01:11		
Ethylbenzene		ND u		1.0	1		05/05/10 01:11		
Isopropylbenzen	ne (Cumene)	ND u	-	10	1		05/05/10 01:11		
Methyl-tert-butyl	•	ND u	•	1.0	1		05/05/10 01:11		
Methylene Chlor		ND u	•	1.0	1		05/05/10 01:11		
Naphthalene	ido	ND u	_	2.0	1		05/05/10 01:11		
Styrene		ND u	•	1.0	1		05/05/10 01:11		
Tetrachloroether	10	ND u	-	1.0	1		05/05/10 01.11		
Toluene		ND u	~	1.0	1		05/05/10 01:11		
Trichloroethene		ND u	-	1.0	1		05/05/10 01:11		
Vinyl chloride		ND u	-	1.0	1		05/05/10 01:11		
Xylene (Total)		ND u	-	3.0	1		05/05/10 01:11		
cis-1,2-Dichloro	athene	ND u	-	1.0	1		05/05/10 01:11		
cis-1,3-Dichloro		ND u	-	1.0	1		05/05/10 01:11		
	properie		~	2.0	1		05/05/10 01:11		
m&p-Xylene n-Butylbenzene		ND u	-	1.0	1		05/05/10 01:11		
n-Propylbenzen		ND u	-	1.0	1		05/05/10 01.11		
o-Xylene	c	ND u	-	1.0	1		05/05/10 01.11		
	nno.		•	1.0	1		05/05/10 01:11		
p-Isopropyltolue		ND u		1.0	1		05/05/10 01:11		
sec-Butylbenzer		ND u		1.0	1		05/05/10 01:11		
trans-1,2-Dichto		ND u	-						
trans-1,3-Dichlo		ND u	•	1.0	1		05/05/10 01:11		
4-Bromofluorob	enzene (S)	100 %	'o	70-130	1		05/05/10 01:11	460-00-4	

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REPORT OF LABORATORY ANALYSIS

Page 15 of 54

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CABOT-EPA 006891



Pace Analytical Services, Inc. 1638 Roseytown Road - Suites 2,3,4

Greensburg, PA 15601 (724)850-5600

ANALYTICAL RESULTS

Project:

2H/4H

Pace Project No.: 3027040

Sample: 2H/4H-SUMP	Lab ID: 302	7040003	Collected. 0	5/01/10	12:01	Received	05/04/10 12 40	Matrix: Water	
Parameters	Results	Units	Report L	imit	DF	Prepared	Analyzed	CAS No	Qual
8260 MSV	Analytical Meti	hod. EPA 82	60						
1,2-Dichloroethane-d4 (S) Toluene-d8 (S)	111 % 96 %)-130)-130	1 1		05/05/10 01:1: 05/05/10 01:1:		

Date 06/11/2010 05.17 PM

REPORT OF LABORATORY ANALYSIS

Page 16 of 54

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CABOT-EPA 006892



ANALYTICAL RESULTS

Project: 2H/4H
Pace Project No.: 3027040

Sample: 2H/4H-H.D. Lab ID: 3027040004 Collected: 05/01/10 15 05 Received: 05/04/10 12.40 Matrix. Water

WELL								
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qua
6010 MET ICP	Analytical Meth	od: EPA 6010	B Preparation Me	ethod: E	EPA 3005			
Aluminum	92.6 ug.	/L	50.0	1	05/06/10 10:29	05/07/10 10.42	7429-90-5	
Antimony	5.5 ug.	′L	5.0	1	05/06/10 10:29	05/07/10 10:42	7440-36-0	
Arsenic	ND ug.		5.0	1	05/06/10 10:29	05/07/10 10:42	7440-38-2	
Barium	112 ug.		10.0	1	05/06/10 10.29	05/07/10 10:42	7440-39-3	
Beryllium	ND ug		1.0	1		05/07/10 10:42		
Boron	ND ug		50 0	1		05/07/10 10:42		
Cadmium	ND ug		1.0	1		05/07/10 10.42		
Calcium	12900 ug		1000	1		05/07/10 10:42		
Chromium	ND ug		5.0	1		05/07/10 10:42		
Cobalt	ND ug		5.0	1		05/07/10 10:42		
Copper	ND ug		5.0	1		05/07/10 10:42		
lron	109 ug		50 0	1		05/07/10 10:42		
Lead	ND ug		20	1		05/07/10 10:42		
	2750 ug		200	1		05/07/10 10:42		
Magnesium	2750 ug 5.6 ug		5.0	1		05/07/10 10:42		
Manganese	•			1				
Molybdenum	ND ug		20.0			05/07/10 10:42		
Nickel	ND ug		10.0	1		05/07/10 10:42		
Potassium	2500 ug		500	1		05/07/10 10:42		
Selenium	ND ug		5 0	1		05/07/10 10:42		
Silver	ND ug		10	1		05/07/10 10 ⁻ 42		
Sodium	5210 ug	/L	1000	1		05/07/10 10 42		
Thallium	ND ug	/L	10.0	1		05/07/10 10.42		
Vanadium	ND ug	/L	5.0	1	05/06/10 10:29	05/07/10 10:42	7440-62-2	
Zinc	ND ug	/L	10.0	1	05/06/10 10:29	05/07/10 10:42	7440-66- 6	
6010 MET ICP, Lab Filtered	Analytical Met	nod: EPA 601	 Preparation Met 	hod: El	PA 3005			
Aluminum, Dissolved	ND ug	/L	50.0	1	05/06/10 10 33	05/07/10 10:48	7429-90-5	
Antimony, Dissolved	ND ug	/L	5 0	1	05/06/10 10 33	05/07/10 10.48	7440-36-0	
Arsenic, Dissolved	ND ug	/L	5.0	1	05/06/10 10 33	05/07/10 10 48	7440-38-2	
Barium, Dissolved	84.0 ug	/L	10.0	1	05/06/10 10.33	05/07/10 10.48	7440-39-3	
Beryllium, Dissolved	ND ug		1.0	1		05/07/10 10:48		
Boron, Dissolved	ND ug		50.0	1		05/07/10 10:48		
Cadmium, Dissolved	ND ug		1.0	1		05/07/10 10:48		
Calcium, Dissolved	12800 ug		1000	1		05/07/10 10:48		
Chromium, Dissolved	ND ug		5.0	1		05/07/10 10:48		
Cobalt, Dissolved	ND ug		5.0	1		05/07/10 10:48		
·			5.0	1		05/07/10 10:48		
Copper, Dissolved Iron, Dissolved	ND ug		50.0	1		05/07/10 10.48		
	ND ug			1				
Lead, Dissolved	ND ug		2.0			05/07/10 10.48		
Magnesium, Dissolved	2710 ug		200	1		05/07/10 10.48		
Manganese, Dissolved	34.2 ug		5.0	1		05/07/10 10:48		
Molybdenum, Dissolved	ND ug		20.0	1		05/07/10 10.48		
Nickel, Dissolved	ND ug		10.0	1		05/07/10 10:48		
Potassium, Dissolved	2500 ug		500	1		05/07/10 10:48		
Selenium, Dissolved	ND ug		5 0	1		05/07/10 10:48		
Silver, Dissolved	ND ug	ı/L	10	1	05/06/10 10:33	05/07/10 10:48	7440-22-4	

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REPORT OF LABORATORY ANALYSIS

Page 17 of 54

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CABOT-EPA 006893



ANALYTICAL RESULTS

Project 2H/4H

Sample: 2H/4H-H.D. WELL	Lab ID: 3027040004	Collected: 05/01/	10 15:05	Received: 0	5/04/10 12:40	Matrix: Water	
Parameters	Results Uni	s Report Limit	ÐF	Prepared	Analyzed	CAS No.	Qua
6010 MET ICP, Lab Filtered	Analytical Method: EP	A 6010 Preparation Met	hod: EP/	A 3005			
Sodium, Dissolved	5250 ug/L	1000	1	05/06/10 10.33	05/07/10 10:4	8 7440-23-5	
Thallium, Dissolved	ND ug/L	10 0	1	05/06/10 10:33	05/07/10 10:48	8 7440-28-0	
Vanadium, Dissolved	ND ug/L	50	1	05/06/10 10:33	05/07/10 10 4	8 7440-62-2	
Zinc, Dissolved	ND ug/L	10.0	1	05/06/10 10:33	05/07/10 10.4	8 7440-66 -6	
7470 Mercury	Analytical Method: EP	7470 Preparation Met	hod: EP/	A 7470			
Mercury	ND ug/L	0.20	1	05/06/10 09:14	05/07/10 09·2	4 7439-97-6	
7470 Mercury, Lab Filtered	Analytical Method EP	7470 Preparation Met	hod: EP/	A 7470			
Mercury, Dissolved	ND ug/L	0.20	1	05/06/10 09:13	05/07/10 09:1	1 7439-97-6	
8270 MSSV Semivolatile Organic	Analytical Method: EP	8270 Preparation Met	hod: EP/	A 3510			
1,2,4-Trichlorobenzene	ND ug/L	1.0	1	05/05/10 10.45	05/09/10 16:4:	2 120-82-1	
1,2-Dichlorobenzene	ND ug/L	1.0	1	05/05/10 10:45	05/09/10 16:4:	2 95-50-1	
1,3-Dichlorobenzene	ND ug/L	10	1		05/09/10 16:4:		
1,4-Dichlorobenzene	ND ug/L	1.0	1		05/09/10 16:4		
1-Methylnaphthalene	ND ug/L	1.0	1		05/09/10 16:4		
2,4,5-Trichlorophenol	ND ug/L	2.6	1		05/09/10 16:4		
2,4,6-Trichiorophenol	ND ug/L	1.0	1		05/09/10 16.4		
2,4-Dichlorophenol	ND ug/L	1.0	i		05/09/10 16.4		
2,4-Dimethylphenol	ND ug/L	1.0	1		5 05/09/10 16:4		
2,4-Dinitrophenol	ND ug/L	2.6	1		5 05/09/10 16:4		
2,4-Dinitrophenol	ND ug/L	1.0	1		5 05/09/10 16.4		
2,6-Dinitrotoluene	ND ug/L	1.0	1		5 05/09/10 16 4		
2-Chloronaphthalene	•	1.0	1		5 05/09/10 16:4		
•	ND ug/L	1.0	1		5 05/09/10 16:4 5 05/09/10 16:4		
2-Chlorophenol	ND ug/L	1.0	1				
2-Methylnaphthalene	ND ug/L		1		05/09/10 16:4		
2-Methylphenol(o-Cresol)	ND ug/L	10			5 05/09/10 16:4		
2-Nitroaniline	ND ug/L	2.6	1		5 05/09/10 16:4		
2-Nitrophenol	ND ug/L	1.0	1		5 05/09/10 16:4		
3&4-Methylphenol(m&p Cresol)	ND ug/L	2.1	1		5 05/09/10 16:4		
3,3'-Dichlorobenzidine	ND ug/L	1.0	1		5 05/09/10 16.4		
3-Nitroaniline	ND ug/L	2.6	1		5 05/09/10 16:4		
4,6-Dinitro-2-methylphenol	ND ug/L	2.6	1		5 05/09/10 16:4		
4-Bromophenylphenyl ether	ND ug/L	1.0	1		5 05/09/10 16:4		
4-Chloro-3-methylphenol	ND ug/L	1.0	1		5 05/09/10 16 4		
4-Chloroaniline	ND ug/L	1.0	1		5 05/09/10 16.4		
4-Chlorophenylphenyl ether	ND ug/L	1.0	1		5 05/09/10 16:4		
4-Nitroaniline	ND ug/L	2.6	1		5 05/09/10 16:4		
4-Nitrophenol	ND ug/L	1.0	1		5 05/09/10 16:4		
Acenaphthene	ND ug/L	1.0	1	05/05/10 10:48	5 05/09/10 16 4	2 83-32-9	
Acenaphthylene	ND ug/L	1.0	1	05/05/10 10:45	5 05/09/10 16.4	2 208-96-8	
Anthracene	ND ug/L	1.0	1	05/05/10 10.45	5 05/09/10 16:4	2 120-12-7	
Azobenzene	ND ug/L	1.0	1	05/05/10 10:45	5 05/09/10 16:4	2 103-33-3	
Benzo(a)anthracene	ND ug/L	1.0	1	05/05/10 10 49	5 05/09/10 16 ⁻ 4	2 56-55-3	

Date: 06/11/2010 05:17 PM

REPORT OF LABORATORY ANALYSIS

Page 18 of 54

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CABOT-EPA 006894





ANALYTICAL RESULTS

Project:

2H/4H

Pace Project No.:

3027040

Sample: 2H/4H-H.D. WELL	Lab ID: 3027040004	Collected 05/01/10 15	5:05 Received: 0	5/04/10 12:40 Ma	atrıx: Water	
Parameters	Results Units	Report Limit D	F Prepared	Analyzed	CAS No	Qua
270 MSSV Semivolatile Organic	Analytical Method: EPA 827	0 Preparation Method.	EPA 3510			
Benzo(a)pyrene	ND ug/L	1.0 1	05/05/10 10:45	05/09/10 16:42	50-32-8	
Benzo(b)fluoranthene	ND ug/L	1.0 1	05/05/10 10 45	05/09/10 16:42	205-99-2	
Benzo(g,h,i)perylene	ND ug/L	1.0 1	05/05/10 10:45	05/09/10 16 42	191-24-2	
Benzo(k)fluoranthene	ND ug/L	1.0 1	05/05/10 10:45	05/09/10 16:42	207-08-9	
Benzoic acid	ND ug/L	104 1	05/05/10 10 45	05/09/10 16:42	65-85-0	
Benzyl alcohol	ND ug/L	1.0 1		05/09/10 16:42		
Butylbenzylphthalate	ND ug/L	1.0 1	05/05/10 10:48	05/09/10 16:42	85-68-7	
Carbazole	ND ug/L	1.0 1	05/05/10 10 48	5 05/09/10 16:42	86-74-8	
Chrysene	ND ug/L	1.0 1	05/05/10 10:48	5 05/09/10 16 42	218-01-9	
Di-n-butylphthalate	ND ug/L	1.0 1	05/05/10 10:48	5 05/09/10 16.42	84-74-2	
Di-n-octylphthalate	ND ug/L	1.0 1		5 05/09/10 16:42		
Dibenz(a,h)anthracene	ND ug/L	1.0		5 05/09/10 16:42		
Dibenzofuran	ND ug/L	1.0		5 05/09/10 16:42		
Diethylphthalate	ND ug/L	1.0		5 05/09/10 16:42		
Dimethylphthalate	ND ug/L	1.0		5 05/09/10 16:42		
Fluoranthene	ND ug/L	1.0		5 05/09/10 16:42		
Fluorene	ND ug/L	1.0		5 05/09/10 16:42		
lexachloro-1,3-butadiene	ND ug/L	10		5 05/09/10 16:42		
lexachlorobenzene	ND ug/L			5 05/09/10 16.42		
texachlorocyclopentadiene	ND ug/L			5 05/09/10 16:42		
dexachloroethane	-			5 05/09/10 16:42		
	ND ug/L			5 05/09/10 16.42		
ndeno(1,2,3-cd)pyrene	ND ug/L					
sophorone	ND ug/L			5 05/09/10 16:42		
N-Nitroso-di-n-propylamine	ND ug/L	-		5 05/09/10 16:42		
N-Nitrosodimethylamine	ND ug/L			5 05/09/10 16.42		
N-Nitrosodiphenylamine	ND ug/L			5 05/09/10 16:42		
Naphthalene	ND ug/L			5 05/09/10 16:42		
Nitrobenzene	ND ug/L			5 05/09/10 16:42		
Pentachlorophenol	ND ug/L			5 05/09/10 16 42		
Phenanthrene	ND ug/L			5 05/09/10 16:42		
Phenol	ND ug/L			5 05/09/10 16:42		
Pyrene	ND ug/L			5 05/09/10 16 42		
bis(2-Chloroethoxy)methane	ND ug/L			5 05/09/10 16 ⁻ 42		
bis(2-Chloroethyl) ether	ND ug/L			5 05/09/10 16:42		
bis(2-Chloroisopropyl) ether	ND ug/L	1.0	1 05/05/10 10.4	5 05/09/10 16:42	108-60-1	
bis(2-Ethylhexyl)phthalate	ND ug/L	1.0	1 05/05/10 10:4	5 05/09/10 16·42	117-81-7	
Nitrobenzene-d5 (S)	29 %	35-114	1 05/05/10 10:4	5 05/09/10 16.42	4165-60-0	S1
2-Fluorobiphenyl (S)	35 %	43-116	1 05/05/10 10 ⁻ 4	5 05/09/10 16.42	321-60-8	S1
Terphenyl-d14 (S)	48 %	33-141	1 05/05/10 10.4	5 05/09/10 16:42	1718-51-0	
Phenol-d6 (S)	13 %	10-110	1 05/05/10 10:4	5 05/09/10 16:42	13127-88-3	
2-Fluorophenol (S)	19 %	21-110	1 05/05/10 10:4	5 05/09/10 16 [.] 42	367-12-4	S1
2,4,6-Tribromophenol (S)	45 %	10-123	1 05/05/10 10 4	5 05/09/10 16:42	118-79-6	
8260 MSV	Analytical Method: EPA 826	30				
1,1,1-Trichloroethane	ND ug/L	1.0	1	05/05/10 01:37	71-55-6	
1,1,2,2-Tetrachloroethane	ND ug/L		, 1	05/05/10 01:37		
i, i,E,E iodacilioroculario	11D ug/L	1.0	•	00/00/10/01/07	, 0-04-0	

Date. 06/11/2010 05:17 PM

REPORT OF LABORATORY ANALYSIS

Page 19 of 54

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CABOT-EPA 006895



ANALYTICAL RESULTS

Project:

2H/4H

Pace Project No.: 3027040

Sample: WELL 2H/4H-H.D.	Lab ID: 3027	7040004	Collected: 05/01/1	0 15.05	Received. 0	05/04/10 12:40	Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qua
8260 MSV	Analytical Meth	od: EPA 826	60					
1,1,2-Trichloroethane	ND ug/	′L	1.0	1		05/05/10 01:37	79-00-5	
1,1-Dichloroethane	ND ug/	′L	1.0	1		05/05/10 01:37	75-34-3	
1,1-Dichloroethene	ND ug/	′L	1.0	1		05/05/10 01:37	75-35-4	
1,2,4-Trichlorobenzene	ND ug/	′L	1.0	1		05/05/10 01:37	120-82-1	
1,2,4-Trimethylbenzene	ND ug/	′L	1.0	1		05/05/10 01:37	95-63 -6	
1,2-Dichlorobenzene	ND ug/	′L	1.0	1		05/05/10 01:37	95-50-1	
1,2-Dichloroethane	ND ug/	′L	10	1		05/05/10 01:37	7 107 -0 6-2	
1,2-Dichloroethene (Total)	ND ug/	/L	20	1		05/05/10 01:37	540-59-0	
1,2-Dichloropropane	ND ug/	/L	10	1		05/05/10 01:37	78-87-5	
1,3,5-Trimethylbenzene	ND ug/	/L	1.0	1		05/05/10 01.37	108-67-8	
1,3-Dichlorobenzene	ND ug/	/L	1.0	1		05/05/10 01:37	7 541-73-1	
1,4-Dichlorobenzene	ND ug/	/L	1.0	1		05/05/10 01:37	106-46-7	
2-Butanone (MEK)	ND ug/	/L	10.0	1		05/05/10 01:37	78-93-3	
2-Hexanone	ND ugi		10.0	1		05/05/10 01:37		
4-Methyl-2-pentanone (MIBK)	ND ugi		10.0	1		05/05/10 01:37		
Acetone	ND ug		10 0	1		05/05/10 01:37		
Benzene	ND ug		1.0	1		05/05/10 01:37		
Bromochloromethane	ND ug		1.0	1		05/05/10 01:37		
Bromodichloromethane	ND ug		1.0	1		05/05/10 01.37		
Bromoform	ND ug		1.0	1		05/05/10 01:37		
Bromomethane	1.4 ug/		1.0	1		05/05/10 01:37		
Carbon disulfide	ND ug		1.0	1		05/05/10 01:37		
Carbon tetrachloride	ND ug		1.0	1		05/05/10 01:37		
Chlorobenzene	ND ug		1.0	1		05/05/10 01:37		
Chloroethane	ND ug		1.0	1		05/05/10 01:37		
Chloroform	ND ug		1.0	1		05/05/10 01:37		
Chioromethane	ND ug		1.0	1		05/05/10 01:37		
Dibromochloromethane	ND ug		1.0	1		05/05/10 01:37		
Ethylbenzene	ND ug		1.0	1		05/05/10 01:37		
Isopropylbenzene (Cumene)	ND ug		1.0	1		05/05/10 01:37		
Methyl-tert-butyl ether	ND ug		1.0	1		05/05/10 01:37		
Methylene Chloride	ND ug.		1.0	1		05/05/10 01:37		
Naphthalene	ND ug.		2.0	1		05/05/10 01:37		
Styrene	ND ug.		1.0	1		05/05/10 01:37		
Tetrachloroethene	ND ug.		1.0	1		05/05/10 01:37		
Toluene	•		1.0	1				
	ND ug			1		05/05/10 01:37		
Trichloroethene	ND ug		1.0 1.0	1		05/05/10 01:37 05/05/10 01:37		
Vinyl chloride	ND ug							
Xylene (Total)	ND ug		3.0	1		05/05/10 01:37		
cis-1,2-Dichloroethene	ND ug		10	1		05/05/10 01:37		
cis-1,3-Dichloropropene	ND ug		10	1		05/05/10 01:37		
m&p-Xylene	ND ug		2.0	1			7 179601-23-1	
n-Butylbenzene	ND ug		1.0	1		05/05/10 01:37		
n-Propylbenzene	ND ug		1.0	1		05/05/10 01:37		
o-Xylene	ND ug		1.0	1		05/05/10 01:37		
p-Isopropyltoluene	ND ug	/L	1.0	1		05/05/10 01:37	7 99-87-6	

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REPORT OF LABORATORY ANALYSIS

Page 20 of 54

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CABOT-EPA 006896



ANALYTICAL RESULTS

Project:

2H/4H

Pace Project No.: 3027040

Sample:		2H/4H-H.D.
	WELL	•

Lab ID: 3027040004

Collected. 05/01/10 15.05 Received: 05/04/10 12:40 Matrix: Water

WELL								
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Met	hod: EPA 8260						
sec-Butylbenzene	ND ug	ı/L	1.0	1		05/05/10 01:37	135-98-8	
trans-1,2-Dichloroethene	ND ug	ı/L	1.0	1		05/05/10 01:37	156-60-5	
trans-1,3-Dichloropropene	ND ug	J/L	1.0	1		05/05/10 01.37	10061-02-6	
4-Bromofluorobenzene (S)	100 %		70-130	1		05/05/10 01.37	460-00-4	
1,2-Dichloroethane-d4 (S)	106 %		70-130	1		05/05/10 01:37	17060-07-0	
Toluene-d8 (S)	97 %		70-130	1		05/05/10 01:37	2037-26-5	

Date. 06/11/2010 05.17 PM

REPORT OF LABORATORY ANALYSIS

Page 21 of 54



CABOT-EPA 006897



QUALITY CONTROL DATA

Project:

2H/4H

Pace Project No:

3027040

QC Batch:

MPRP/3795

Analysis Method:

EPA 6010B

QC Batch Method:

EPA 3050

Analysis Description

6010 MET

Associated Lab Samples: 3027040001, 3027040002

METHOD BLANK: 166693

Matrix. Solid

Associated Lab Samples: 3027040001, 3027040002

		Blank	Reporting		
Parameter	Units	Result	Limit	Analyzed	Qualifiers
Aluminum	mg/kg	ND	10.0	05/06/10 10:58	
Antimony	mg/kg	ND	0.50	05/06/10 10:58	
Arsenic	mg/kg	ND	0.50	05/06/10 10:58	
Barium	mg/kg	ND	2.0	05/06/10 10.58	
Beryllium	mg/kg	ND	0.20	05/06/10 10.58	
Boron	mg/kg	ND	5.0	05/06/10 10:58	
Cadmium	mg/kg	ND	0.20	05/06/10 10:58	
Calcium	mg/kg	ND	200	05/06/10 10:58	
Chromium	mg/kg	ND	0.50	05/06/10 10·58	
Cobalt	mg/kg	ND	1.0	05/06/10 10:58	
Copper	mg/kg	ND	1.0	05/06/10 10:58	
Iron	mg/kg	ND	10.0	05/06/10 10:58	
Lead	mg/kg	ND	0.50	05/06/10 10 58	
Magnesium	mg/kg	ND	50.0	05/06/10 10.58	
Manganese	mg/kg	ND	1.0	05/06/10 10:58	
Molybdenum	mg/kg	ND	2.0	05/06/10 10:58	
Nickel	mg/kg	ND	2.0	05/06/10 10:58	
Potassium	mg/kg	ND	50. 0	05/06/10 10 58	
Selenium	mg/kg	ND	0.50	05/06/10 10:58	
Silver	mg/kg	ND	0 20	05/06/10 10:58	
Sodium	mg/kg	ND	500	05/06/10 10:58	
Thallium	mg/kg	ND	2.0	05/06/10 10 58	
Vanadium	mg/kg	ND	1.0	05/06/10 10.58	
Zinc	mg/kg	ND	1.0	05/06/10 10:58	

LABORATORY	CONTROL SAMPLE	166694

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum	mg/kg	500	473	95	80-120	
Antimony	mg/kg	50	45.4	91	80-120	
Arsenic	mg/kg	50	44.7	89	80-120	
Barium	mg/kg	50	48.9	98	80-120	
Beryllium	mg/kg	50	48.1	96	80-120	
Boron	mg/kg	50	46.2	92	80-120	
Cadmium	mg/kg	50	45.4	91	80-120	
Calcium	mg/kg	500	462	92	80-120	
Chromium	mg/kg	50	48 2	96	80-120	
Cobalt	mg/kg	50	45 4	91	80-120	
Copper	mg/kg	50	46.9	94	80-120	
ron	mg/kg	500	480	96	80-120	
Lead	ma/ka	50	44.4	89	80-120	

Date 06/11/2010 05:17 PM

REPORT OF LABORATORY ANALYSIS

Page 22 of 54

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CABOT-EPA 006898



QUALITY CONTROL DATA

Project:

2H/4H

Pace Project No: 3027040

2027040

ABORATORY CONTROL SAMP	LE: 166694					
		Spike	LCS	LCS	% Rec	
Parameter	Units	Conc.	Result	% Rec	Limits	Qualifiers
1agnesium	mg/kg	500	453	91	80-120	
langanese	mg/kg	50	47 6	95	80-120	
lolybdenum	mg/kg	50	47.1	94	80-120	
ckel .	mg/kg	5 0	48.4	97	80-120	
otassium	mg/kg	500	478	96	80-120	
lenium	mg/kg	50	42 6	85	80-120	
ver	mg/kg	25	22 9	92	80-120	
dium	mg/kg	500	477J	95	80-120	
allium	mg/kg	50	44.3	89	80-120	
inadium	mg/kg	50	48.3	97	80-120	
nc	mg/kg	50	47.2	94	80-120	

MATRIX SPIKE SAMPLE:	166696						
		3026262001	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
Aluminum	mg/kg	5200	325	5460	80	80-120	
Antimony	mg/kg	ND	32.5	14.1	37	80-120	M0
Arsenic	mg/kg	ND	32.5	27.0	83	80-120	
Barium	mg/kg	108	32 .5	170	190	80-120	M0
Beryllium	mg/kg	ND	32.5	28 4	87	80-120	
Boron	mg/kg	41.4	32.5	71.2	92	80-120	
Cadmium	mg/kg	1.2	32.5	32.7	97	80-120	
Calcium	mg/kg	202000	32 5	198000	-1260	80-120	M0
Chromium	mg/kg	1970	32 5	1950	-68	80-120	M0
Cobalt	mg/kg	ND	32.5	31.7	86	80-120	
Copper	mg/kg	82.6	32.5	113	94	80-120	
Iron	mg/kg	159000	325	160000	463	80-120	MO
Lead	mg/kg	15.0	32.5	45.1	93	80-120	
Magnesium	mg/kg	61300	325	68800	2300	80-120	MO
Manganese	mg/kg	11300	32.5	11300	15	80-120	MO
Molybdenum	mg/kg	23.9	32.5	51.2	84	80-120	
Nickel	mg/kg	68.8	32.5	86.4	54	80-120	MO
Potassium	mg/kg	ND	325	337	104	80-120	
Selenium	mg/kg	ND	32.5	24.2	75	80-120	MO
Silver	mg/kg	ND	16.2	16.2	98	80-120	
Sodium	mg/kg	ND	325	1120J	9 5	80-120	
Thallium	mg/kg	ND	32.5	18 0	56	80-120	M0
Vanadium	mg/kg	218	32.5	243	76	80-120	MO
Zinc	mg/kg	160	32.5	160	2	80-120	MO

SAMPLE DUPLICATE: 166695

Parameter	Units	3026262001 Result	Dup Result	RPD	Qualifiers
Aluminum Antimony	mg/kg mg/kg	5200 ND	5540 2.4J	6	

Date: 06/11/2010 05:17 PM

REPORT OF LABORATORY ANALYSIS

Page 23 of 54

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CABOT-EPA 006899



QUALITY CONTROL DATA

Project:

2H/4H

Pace Project No.: 3027040

SAMPLE DUPLICATE: 166695

Parameter	Units	3026262001 Result	Dup Result	RPD	Qualifiers
Arsenic	mg/kg	ND ND	ND		
Barrum	mg/kg	10 8	126	15	
Beryllium	mg/kg	ND	ND		
Boron	mg/kg	41.4	45.6	9	
Cadmium	mg/kg	1 2	1.6J		
Calcium	mg/kg	202000	215000	6	
Chromium	mg/kg	1970	2130	8	
Cobalt	mg/kg	ND	ND		
Copper	mg/kg	82.6	91.3	10	
Iron	mg/kg	159000	178000	12	
Lead	mg/kg	15.0	26.6	56 D	6
Magnesium	mg/kg	61300	70600	14	
Manganese	mg/kg	11300	12000	6	
Molybdenum	mg/kg	23.9	28.1	16	
Nickel	mg/kg	68 8	63.3	8	
Potassium	mg/kg	ND	ND		
Selenium	mg/kg	ND	ND		
Silver	mg/kg	ND	ND		
Sodium	mg/kg	ND	843J		
Thallium	mg/kg	ND	ND		
Vanadium	mg/kg	218	233	7	
Zinc	mg/kg	160	674	123 D	6

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REPORT OF LABORATORY ANALYSIS

Page 24 of 54

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CABOT-EPA 006900



QUALITY CONTROL DATA

Project:

2H/4H

Pace Project No.:

3027040

QC Batch:

MPRP/3796

Analysis Method:

EPA 6010B

QC Batch Method

EPA 3005

Analysis Description:

6010 MET

Associated Lab Samples 3027040003, 3027040004

Matrix Water

METHOD BLANK 166908 Associated Lab Samples: 3027040003, 3027040004

		Blank	Reporting		
Parameter	Units	Result	Limit	Analyzed	Qualifiers
Aluminum	ug/L	ND	50 0	05/07/10 09:39	
Antimony	u g/ L	ND	5.0	05/07/10 09 39	
Arsenic	ug/L	ND	5.0	05/07/10 09:39	
Barium	ug/L	ND	10.0	05/07/10 09:39	
Beryllium	ug/L	ND	1.0	05/07/10 09.39	
Boron	ug/L	ND	50.0	05/07/10 09:39	
Cadmium	ug/L	ND	1.0	05/07/10 09:39	
Calcium	ug/L	ND	1000	05/07/10 09.39	
Chromium	ug/L	ND	50	05/07/10 09:39	
Cobalt	ug/L	ND	5.0	05/07/10 09:39	
Copper	ug/L	ND	5.0	05/07/10 09 39	
Iron	ug/L	ND	50.0	05/07/10 09:39	
Lead	ug/L	ND	2.0	05/07/10 09:39	
Magnesium	ug/L	ND	200	05/07/10 09.39	
Manganese	ug/L	ND	50	05/07/10 09:39	
Molybdenum	ug/L	ND	20 0	05/07/10 09:39	
Nickel	ug/L	ND	10.0	05/07/10 09 39	
Potassium	ug/L	ND	500	05/07/10 09:39	
Selenium	ug/L	ND	5.0	05/07/10 09:39	
Silver	ug/L	ND	1.0	05/07/10 09 39	
Sodium	ug/L	ND	1000	05/07/10 09:39	
Thallium	ug/L	ND	10.0	05/07/10 09:39	
Vanadium	ug/L	ND	5.0	05/07/10 09.39	
Zinc	ug/L	ND	10.0	05/07/10 09:39	

LABORATORY CONTROL SAM	IPLE: 166909					
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum	ug/L	5000	4900	98	80-120	
Antimony	ug/L	500	507	101	80-120	
Arsenic	ug/L	500	490	98	80-120	
Barium	ug/L	500	495	99	80-120	
Beryllium	ug/L	500	496	99	80-120	
Boron	ug/L	50 0	484	97	80-120	
Cadmium	ug/L	500	493	99	80-120	
Calcium	ug/L	5000	4950	99	80-120	
Chromium	ug/L	500	491	98	80-120	
Cobalt	ug/L	5 0 0	492	98	80-120	
Copper	u g/ L	500	495	99	80-120	
Iron	ug/L	5000	5000	100	80-120	
Lead	ug/L	500	489	98	80-120	

Date: 06/11/2010 05:17 PM

REPORT OF LABORATORY ANALYSIS

Page 25 of 54

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CABOT-EPA 006901



QUALITY CONTROL DATA

Project

2H/4H

Pace Project No.: 3027040

ABORATORY CONTROL SAM	1PLE: 166909					
		Spike	LCS	LCS	% Rec	
Parameter	Units	Conc.	Result	% Rec	Limits	Qualifiers
/agnesium	ug/L	5000	4930	99	80-120	
anganese	ug/L	500	492	98	80-120	
olybdenum	ug/L	500	500	100	80-120	
ckel	ug/L	500	492	98	80-120	
otassium	ug/L	5000	4770	95	80-120	
leniu m	ug/L	500	496	99	80-120	
rer	ug/L	250	254	102	80-120	
dium	ug/L	5000	4660	93	80-120	
allium	ug/L	500	524	105	80-120	
nadium	ug/L	500	490	98	80-120	
nc	ug/L	500	489	98	80-120	

MATRIX SPIKE & MATRIX S	SPIKE DUPLICAT	E: 16691	1		166912						
			MS	MSD							
		027128001	Spike	Spike	MS	MSD	MŞ	MSD	% Rec		
Parameter	Units	Result	Conc.	Conc.	Result	Result	% Rec	% Rec	Limits	RPD	Qual
Aluminum	ug/L	ND	5000	5000	6310	6260	126	125	75-125	M0	
Antimony	ug/L	ND	500	500	593	584	119	117	75-125	1	
Arsenic	ug/L	ND	500	500	561	558	112	112	75-125	.5	
Barium	ug/L	8830	500	500	9210	9220	77	77	75-125	.005	
Beryllium	ug/L	ND	500	500	404	401	81	80	75-125	.9	
Boron	ug/L	25300	500	500	25700	25700	94	79	75-125	.3	
Cadmium	⊔g/L	ND	50 0	500	417	414	83	83	75-125	.6	
Calcium	u g/L	251000 0	5000	5000	2460000	2490000	-1040	-354	75-125	1 M0	
Chromium	ug/L	ND	500	500	444	443	89	88	75-125	.3	
Cobalt	ug/L	65	500	500	432	426	85	84	75-125	1	
Copper	ug/L	ND	500	500	647	645	129	129	75-125	.3 MO	
Iron	ug/L	936	5000	5000	5040	5070	82	83	75-125	.5	
Lead	ug/L	5.7	500	500	479	474	95	94	75-125	1	
Magnesium	ug/L	163000	5000	5000	168000	167000	93	74	75-125	.6 M0	
Manganese	ug/L	450	500	500	905	899	91	90	75-125	.7	
Molybdenum	ug/L	ND	500	500	511	506	99	98	75-125	1	
Nickel	ug/L	ND	500	500	426	430	84	85	75-125	.8	
Potassium	ug/L	801000	5000	5000	794000	796000	-141	-93	75-125	.3 M0	
Selenium	ug/L	9.8	500	500	532	526	104	103	75-125	1	
Silver	ug/L	ND	250	250	339	339	136	136	75-125	.003 M0	
Sodium	ug/L	180000 00	5000	5000	1980000 0	1980000 0	34500	34500	75-125	.02 M0	
Thallium	ug/L	ND	500	500	506	507	99	100	75-125	.2	
Vanadium	ug/L	ND	500	500	474	471	95	94	75-125	.7	
Zinc	ug/L	ND	500	500	377	370	75	73	75-125	2 M0	

Date: 06/11/2010 05 17 PM

REPORT OF LABORATORY ANALYSIS

Page 26 of 54

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CABOT-EPA 006902



QUALITY CONTROL DATA

Project:

2H/4H

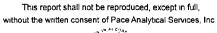
Pace Project No.: 3027040

		3027128001	Dup		
Parameter	Units	Result	Result	RPD	Qualifiers
Aluminum	ug/L	ND ND	ND		
Antimony	ug/L	ND	ND		
Arsenic	ug/L	ND	ND		
Barium	ug/L	8830	8770	.6	
Beryllium	ug/L	ND	ND		
Boron	ug/L	25300	25000	8	
Cadmium	ug/L	ND	ND		
Calcium	ug/L	2510000	2440000	3	
Chromium	ug/L	ND	ND		
Cobalt	ug/L	65	5.7	13	
Copper	ug/L	ND	ND		
Iron	ug/L	936	956	2	
Lead	ug/L	5.7	5.3	7	
Magnesium	ug/L	163000	162000	.9	
Manganese	ug/L	450	446	9	
Molybdenum	ug/L	ND	16.9J		
Nickel	ug/L	ND	2.4J		
Potassium	ug/L	801000	796000	.6	
Seienium	ug/L	9.8	ND		
Silver	ug/L	ND	ND		
Sodium	ug/L	18000000	19600000	8	
Thallium	ug/L	ND	13.4		
Vanadium	ug/L	ND	ND		
Zinc	ug/L	ND	4.1J		

Date: 06/11/2010 05:17 PM

REPORT OF LABORATORY ANALYSIS

Page 27 of 54





CABOT-EPA 006903



QUALITY CONTROL DATA

Project:

2H/4H

Pace Project No:

QC Batch

MPRP/3797

EPA 6010

QC Batch Method: EPA 3005

Analysis Method: Analysis Description:

6010 MET Dissolved

Associated Lab Samples: 3027040003, 3027040004

METHOD BLANK: 166913

Matrix: Water

Associated Lab Samples: 3027040003, 3027040004

		Blank	Reporting		
Parameter	Units	Result	Limit	Analyzed	Qualifiers
Aluminum, Dissolved	 ug/L	ND .	50.0	05/07/10 09 39	
Antimony, Dissolved	ug/L	ND	5.0	05/07/10 09.39	
Arsenic, Dissolved	ug/L	ND	5.0	05/07/10 09.39	
Barium, Dissolved	ug/L	ND	10.0	05/07/10 09.39	
Beryllium, Dissolved	ug/L	ND	1.0	05/07/10 09:39	
Boron, Dissolved	ug/L	ND	50.0	05/07/10 09:39	
Cadmium, Dissolved	ug/L	ND	1.0	05/07/10 09:39	
Calcium, Dissolved	ug/L	ND	1000	05/07/10 09:39	
Chromium, Dissolved	ug/L	ND	5.0	05/07/10 09.39	
Cobalt, Dissolved	ug/L	ND	50	05/07/10 09.39	
Copper, Dissolved	ug/L	ND	5.0	05/07/10 09.39	
Iron, Dissolved	ug/L	ND	50.0	05/07/10 09:39	
Lead, Dissolved	ug/L	ND	2.0	05/07/10 09:39	
Magnesium, Dissolved	ug/L	ND	200	05/07/10 09:39	
Manganese, Dissolved	ug/L	ND	5.0	05/07/10 09.39	
Molybdenum, Dissolved	u g/L	ND	20.0	05/07/10 09 39	
Nickel, Dissolved	u g/L	ND	10.0	05/07/10 09 39	
Potassium, Dissolved	u g /L	ND	50 0	05/07/10 09 39	
Selenium, Dissolved	ug/L	ND	5 .0	05/07/10 09:39	
Silver, Dissolved	ug/L	ND	1.0	05/07/10 09:39	
Sodium, Dissolved	ug/L	ND	1000	05/07/10 09:39	
Thallium, Dissolved	ug/L	ND	10.0	05/07/10 09 39	
Vanadium, Dissolved	ug/L	ND	50	05/07/10 09 39	
Zinc, Dissolved	ug/L	ND	10.0	05/07/10 09.39	

LABORATORY CONTROL SAMPLE

166914

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifier
Aluminum, Dissolved	ug/L	5000	4900	98	80-120	
Antimony, Dissolved	ug/L	500	507	10 1	80-120	
Arsenic, Dissolved	ug/L	500	490	98	80-120	
Barium, Dissolved	ug/L	500	495	99	80-120	
Beryllium, Dissolved	ug/L	500	496	99	80-120	
Boron, Dissolved	ug/L	500	484	97	80-120	
Cadmium, Dissolved	ug/L	500	493	99	80-120	
Calcium, Dissolved	ug/L	5000	4950	99	80-120	
Chromium, Dissolved	ug/L	500	491	98	80-120	
Cobalt, Dissolved	ug/L	500	492	98	80-120	
Copper, Dissolved	ug/L	500	495	99	80-120	
Iron, Dissolved	ug/L	5000	5000	100	80-120	
Lead, Dissolved	ug/L	500	489	98	80-120	

Date. 06/11/2010 05.17 PM

REPORT OF LABORATORY ANALYSIS

Page 28 of 54

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CABOT-EPA 006904



QUALITY CONTROL DATA

Project:

2H/4H

Pace Project No.: 3027040

LABORATORY CONTROL SAM	IPLE: 166914					
		Spike	LCS	LCS	% Rec	
Parameter	Units	Conc	Result	% Rec	Limits	Qualifiers
Magnesium, Dissolved	ug/L	5000	4930	99	80-120	
Manganese, Dissolved	ug/L	500	492	98	80-120	
Molybdenum, Dissolved	ug/L	500	500	100	80-120	
Nickel, Dissolved	ug/L	500	492	98	80-120	
Potassium, Dissolved	ug/L	5000	4770	95	80-120	
Selenium, Dissolved	ug/L	500	496	99	80-120	
Silver, Dissolved	ug/L	250	254	102	80-120	
Sodium, Dissolved	ug/L	5000	4660	93	80-120	
Thailium, Dissolved	ug/L	500	524	105	80-120	
√anadıum, Dıssolved	ug/L	500	490	98	80-120	
Zinc, Dissolved	ug/L	500	489	98	80-120	

MATRIX SPIKE SAMPLE:	166916						
		3026866002	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
Aluminum, Dissolved	ug/L	ND	5000	5140	102	75-125	
Antimony, Dissolved	ug/L	ND	500	504	101	75-125	
Arsenic, Dissolved	ug/L	ND	500	496	99	75-125	
Barium, Dissolved	ug/L	25 4	500	518	99	75-125	
Beryllium, Dissolved	ug/L	ND	500	498	100	75-125	
Boron, Dissolved	ug/L	ND	5 0 0	526	99	75-125	
Cadmium, Dissolved	ug/L	ND	500	478	96	75-125	
Calcium, Dissolved	ug/L	111000	5000	115000	92	75-125	
Chromium, Dissolved	ug/L	ND	500	491	98	75-125	
Cobalt, Dissolved	u g /L	ND	500	484	97	75-125	
Copper, Dissolved	ug/L	ND	500	499	100	75-125	
Iron, Dissolved	ug/L	ND	5000	5020	100	75-125	
Lead, Dissolved	ug/L	ND	500	488	98	75-125	
Magnesium, Dissolved	ug/L	22300	5000	27300	99	75-125	
Manganese, Dissolved	ug/L	ďИ	500	491	98	75-125	
Molybdenum, Dissolved	ug/L	ND	500	497	99	75-125	
Nickel, Dissolved	u g/ L	ND	500	482	96	75-125	
Potassium, Dissolved	ц g/ L	2010	5000	7700	114	75 -1 25	
Selenium, Dissolved	ug/L	ND	500	507	101	75-125	
Silver, Dissolved	ug/L	ND	250	258	103	75-125	
Sodium, Dissolved	ug/L	65900	5000	71800	119	75-125	
Thallium, Dissolved	ug/L	ND	500	514	103	75-125	
Vanadium, Dissolved	ug/L	ND	500	496	99	75-125	
Zinc, Dissolved	ug/L	ND	500	471	94	75-125	

SAMPLE DUPLICATE: 166915

Parameter	Units	3026866002 Result	Dup Result	RPD	Qualifiers
Aluminum, Dissolved Antimony, Dissolved	ug/L ug/L	ND ND	ND ND		

Date: 06/11/2010 05:17 PM

REPORT OF LABORATORY ANALYSIS

Page 29 of 54

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CABOT-EPA 006905



QUALITY CONTROL DATA

Project:

2H/4H

Pace Project No.: 3027040

SAMPLE DUPLICATE: 166915	•	3026866002	Dup			
Parameter	Units	Result	Result	RPD	Qualifiers	
Arsenic, Dissolved	ug/L	ND	ND			
Barium, Dissolved	ug/L	25.4	25.6	.5		
Beryllium, Dissolved	ug/L	ND	ND			
Boron, Dissolved	ug/L	ND	30.8J			
Cadmium, Dissolved	ug/L	ND	ND			
Calcium, Dissolved	ug/L	111000	111000	.4		
Chromium, Dissolved	ug/L	ND	NĐ			
Cobalt, Dissolved	ug/L	ND	ND			
Copper, Dissolved	ug/L	ND	ND			
Iron, Dissolved	ug/L	ND	ND			
Lead, Dissolved	ug/L	ND	ND			
Magnesium, Dissolved	ug/L	22300	22400	.4		
Manganese, Dissolved	ug/L	ND	ND			
Molybdenum, Dissolved	ug/L	ND	ND			
Nickel Dissolved	ug/L	ND	ND			
Potassium, Dissolved	ug/L	2010	2030	1		
Selenium, Dissolved	ug/L	ND	ND			
Silver, Dissolved	ug/L	ND	ND			
Sodium, Dissolved	ug/L	65900	65800	.03		
Thallium, Dissolved	ug/L	ND	ND			
Vanadium, Dissolved	ug/L	ND	ND			
Zinc, Dissolved	ug/L	ND	ND			

Date: 06/11/2010 05:17 PM

REPORT OF LABORATORY ANALYSIS

Page 30 of 54

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CABOT-EPA 006906



QUALITY CONTROL DATA

Project:

2H/4H

Pace Project No.:

3027040

QC Batch:

MERP/1885

Analysis Method:

EPA 7470

QC Batch Method.

EPA 7470

Analysis Description.

7470 Mercury

Associated Lab Samples:

3027040003, 3027040004

Matrix: Water

METHOD BLANK: 166894 Associated Lab Samples:

3027040003, 3027040004

Blank

Reporting

Analyzed

Parameter Mercury

Units ug/L

Result

Limit ND

0.20 05/07/10 09:12

101

2.5

Qualifiers

LABORATORY CONTROL SAMPLE:

Parameter

Parameter

166895

Units

Units

Spike Conc.

LCS Result

ND

ND

LCS % Rec % Rec Limits

Qualifiers 85-115

101

MATRIX SPIKE SAMPLE:

166897

ug/L

ug/L

3027040003

Spike

1.0

MS

MS

% Rec

85-115

Qualifiers

Mercury

Mercury

Mercury

ug/L

Result

Conc. 2.5 Result

% Rec

Limits

SAMPLE DUPLICATE: 166896

Parameter

Units

3027040003 Result

Dup Result

ND

RPD

Qualifiers

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Page 31 of 54

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CABOT-EPA 006907



QUALITY CONTROL DATA

Project: 2H/4 Pace Project No.: 3027040	4H					
QC Batch: MERP/1884		Analysis Method	d: El	PA 7470		
QC Batch Method: EPA 7470		Analysis Descri	ption: 74	470 Mercury Dis	solved	
Associated Lab Samples: 302704	40003, 3027040004					
METHOD BLANK: 166887		Matrîx. W	ater			
Associated Lab Samples: 302704	40003, 3027040004					
			Reporting			
Parameter	Units	Result	Limit	Analyzed	Qualifiers	_
Mercury, Dissolved	ug/L	ND	0.20	05/07/10 07:3	6	
LABORATORY CONTROL SAMPLE	E: 166888			, .		
_		Spike LC		LCS	% Rec	
Parameter	Units	Conc. Res		% Rec		alifiers
Mercury, Dissolved	ug/L	1	1.0	105	85-115	
MATRIX SPIKE & MATRIX SPIKE D	3026959006 Units Result	MS MSD Spike Spike Conc Conc.	166891 MS Result		MS MSD Rec % Rec	% Rec Limits RPD Qual
Mercury, Dissolved	ug/L ND	2 5 2.5	5 2.5	2.5	100 100	75-125 0
MATRIX SPIKE SAMPLE:	166893					
Parameter	Units	3026959012 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits Qualifiers
Mercury, Dissolved	ug/L	ND	2.5	1.8	72	75-125 M0
SAMPLE DUPLICATE: 166889			-			
Parameter	Units	3026959006 Result	Dup Result	RPD	Qualifiers	
Mercury, Dissolved	ug/L	ND	ND			
SAMPLE DUPLICATE: 166892						
Parameter	Units	3026959012 Result	Dup Result	RPD	Qualifiers	
Mercury, Dissolved	ug/L	ND	ND			

Date 06/11/2010 05.17 PM

REPORT OF LABORATORY ANALYSIS

Page 32 of 54

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CABOT-EPA 006908



QUALITY CONTROL DATA

Project:

Mercury

Mercury

2H/4H

Pace Project No.:

3027040

QC Batch:

MERP/1881

Analysis Method:

EPA 7471

QC Batch Method:

EPA 7471

Analysis Description:

Matrix: Solid

ND

7471 Mercury

Associated Lab Samples:

Samples: 3027040001, 3027040002

METHOD BLANK: 166435 Associated Lab Samples:

3027040001, 3027040002

mg/kg

Blank

Result

Reporting

Parameter

Units

Reporting Limit

Analyzed

Qualifiers

LABORATORY CONTROL SAMPLE:

Parameter

Parameter

Parameter

SAMPLE DUPLICATE: 166437

166436

Units

Units

Units

Spike Conc.

LCS Result

LCS % Rec

0 10 05/06/10 10 26

% Rec Limits

Qualifiers

0

MATRIX SPIKE SAMPLE

166438

mg/kg

mg/kg

.042

3027063001

Result

0 000021U

Spike

.044J

Conc.

.11

MS Result

105

ND

MS % Rec

85-115

% Rec Limits

Qualifiers

75-125 M0

Mercury

Mercury

3027063001

Dup

RPD

Qualifiers

mg/kg

0.000021U

Result

ND -

Date: 06/11/2010 05:17 PM

REPORT OF LABORATORY ANALYSIS

Page 33 of 54

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CABOT-EPA 006909



QUALITY CONTROL DATA

Project:

2H/4H

Pace Project No.:

3027040

EPA 3546

QC Batch:

OEXT/4826 Analysis Method: EPA 8270

Analysis Description.

8270 Solid MSSV Microwave

QC Batch Method: Associated Lab Samples

3027040001, 3027040002

Matrix: Solid

METHOD BLANK: 166360 Associated Lab Samples: 3027040001, 3027040002

ug/kg

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifier
1,2,4-Trichlorobenzene	ug/kg	ND -	333	05/07/10 15:52	
1,2-Dichlorobenzene	ug/kg	ND ND	333	05/07/10 15:52	
1,3-Dichlorobenzene	ug/kg	ND	333	05/07/10 15:52	
1,4-Dichlorobenzene	ug/kg	ND	333	05/07/10 15:52	
1-Methylnaphthalene	ug/kg	ND	333	05/07/10 15:52	
2,4,5-Trichlorophenol	ug/kg	ND	833	05/07/10 15:52	
2,4,6-Trichlorophenol	ug/kg	ND	333	05/07/10 15:52	
2,4-Dichlorophenol	ug/kg	ND	333	05/07/10 15:52	
2,4-Dimethylphenol	ug/kg	ND	333	05/07/10 15.52	
2,4-Dinitrophenol	ug/kg	ND	833	05/07/10 15:52	
2,4-Dinitrotoluene	ug/kg	ND	333	05/07/10 15:52	
2,6-Dinitrotoluene	ug/kg	ND	333	05/07/10 15:52	
2-Chloronaphthalene	ug/kg	ND	333	05/07/10 15:52	
2-Chlorophenol	ug/kg	ND	333	05/07/10 15.52	
2-Methylnaphthalene	ug/kg	ND	333	05/07/10 15:52	
2-Methylphenol(o-Cresol)	ug/kg	ND	333	05/07/10 15:52	
2-Nitroaniline	ug/kg	ND	833	05/07/10 15:52	
2-Nitrophenol	ug/kg	ND	333	05/07/10 15:52	
3&4-Methylphenol(m&p Cresol)	ug/kg	ND	666	05/07/10 15.52	
3,3'-Dichlorobenzidine	ug/kg	ND	333	05/07/10 15:52	
3-Nitroaniline	ug/kg	ND	833	05/07/10 15:52	
4,6-Dinitro-2-methylphenol	ug/kg	ND	833	05/07/10 15:52	
4-Bromophenylphenyl ether	ug/kg	ND	333	05/07/10 15:52	
4-Chloro-3-methylphenol	ug/kg	ND	333	05/07/10 15.52	
4-Chloroaniline	ug/kg	ND	333	05/07/10 15:52	
4-Chlorophenylphenyl ether	ug/kg	ND	333	05/07/10 15:52	
4-Nitroaniline	ug/kg	ND	833	05/07/10 15:52	
4-Nitrophenol	ug/kg	ND	333	05/07/10 15:52	
Acenaphthene	ug/kg	ND	333	05/07/10 15:52	
Acenaphthylene	ug/kg	ND	333	05/07/10 15:52	
Anthracene	ug/kg	ND	333	05/07/10 15:52	
Azobenzene	ug/kg	ND	333	05/07/10 15:52	
Benzo(a)anthracene	ug/kg	ND	333	05/07/10 15:52	
Benzo(a)pyrene	ug/kg	ND	333	05/07/10 15:52	
Benzo(b)fluoranthene	ug/kg	ND	333	05/07/10 15:52	
Benzo(g,h,i)perylene	ug/kg	ND	333	05/07/10 15:52	
Benzo(k)fluoranthene	ug/kg	ND	333	05/07/10 15:52	
Benzoic acid	ug/kg	ND	833	05/07/10 15:52	
Benzyl alcohol	ug/kg	ND	333	05/07/10 15:52	
bis(2-Chloroethoxy)methane	ug/kg	ND	333	05/07/10 15:52	
bis(2-Chloroethyl) ether	ug/kg	ND	333	05/07/10 15:52	
bis(2-Chloroisopropyl) ether	ug/kg	ND	333	05/07/10 15:52	

bis(2-Ethylhexyl)phthalate Date: 06/11/2010 05:17 PM

REPORT OF LABORATORY ANALYSIS

333 05/07/10 15:52

ND

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CABOT-EPA 006910

Page 34 of 54



QUALITY CONTROL DATA

Project.

2H/4H

Pace Project No.:

3027040

METHOD BLANK 166360 Matrix. Solid

Associated Lab Samples:	3027040001	3027040002
-------------------------	------------	------------

Parameter	l la la	Blank	Reporting	A l	0
	Units	Result	Limit	Analyzed	Qualifiers
utylbenzylphthalate	ug/kg	ND	333	05/07/10 15.52	
arbazole	ug/kg	ND	333	05/07/10 15:52	
Chrysene	ug/kg	ND	333	05/07/10 15:52	
)i-n-butylphthalate	ug/kg	ND	333	05/07/10 15:52	
n-octylphthalate	ug/kg	ND	333	05/07/10 15 ⁻ 52	
hbenz(a,h)anthracene	ug/kg	ND	333	05/07/10 15:52	
)ibenzofuran	ug/kg	ND	333	05/07/10 15:52	
Diethylphthalate	ug/kg	ND	333	05/07/10 15:52	
Dimethylphthalate	ug/kg	ND	333	05/07/10 15:52	
luoranthene	ug/kg	ND	333	05/07/10 15.52	
luorene	ug/kg	ND	333	05/07/10 15.52	
lexachloro-1,3-butadiene	ug/kg	ND	333	05/07/10 15:52	
lexachlorobenzene	ug/kg	ND	333	05/07/10 15:52	
lexachlorocyclopentadiene	ug/kg	ND	333	05/07/10 15:52	
lexachloroethane	ug/kg	ND	333	05/07/10 15.52	
ideno(1,2,3-cd)pyrene	ug/kg	ND	333	05/07/10 15:52	
sophorone	ug/kg	ND	333	05/07/10 15:52	
-Nitroso-di-n-propylamine	ug/kg	ND	333	05/07/10 15:52	
I-Nitrosodimethylamine	ug/kg	ND	333	05/07/10 15:52	
I-Nitrosodiphenylamine	ug/kg	ND	333	05/07/10 15.52	
laphthalene	ug/kg	ND	333	05/07/10 15:52	
litrobenzene	ug/kg	ND	333	05/07/10 15:52	
Pentachlorophenol	ug/kg	ND	833	05/07/10 15:52	
henanthrene	ug/kg	ND	333	05/07/10 15.52	
Phenol	ug/kg	ND	333	05/07/10 15 52	
yrene	ug/kg	ND	333	05/07/10 15:52	
2,4,6-Tribromophenol (S)	%	59	10-123	05/07/10 15:52	
-Fluorobiphenyl (S)	%	53	43-116	05/07/10 15:52	
-Fluorophenol (S)	%	41	21-110	05/07/10 15:52	
Nitrobenzene-d5 (S)	%	47	35-114	05/07/10 15:52	
Phenol-d6 (S)	%	48	10-110	05/07/10 15:52	
Terphenyl-d14 (S)	%	61	33-141	05/07/10 15:52	

LABORATORY CONTROL SAMPLE:	166361					
Parameter	Units	Spike Conc	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/kg	3330	1840	55	43-120	
1,2-Dichlorobenzene	ug/kg		ND			
1,3-Dichlorobenzene	ug/kg		ND			
1,4-Dichlorobenzene	ug/kg	3330	1690	51	37-118	
1-Methylnaphthalene	ug/kg	3330	1990	60	40-140	
2,4,5-Trichlorophenol	ug/kg		ND			
2,4,6-Trichlorophenol	ug/kg		ND			
2,4-Dichlorophenol	ug/kg		ND			
2,4-Dimethylphenol	ug/kg		ND			

Date: 06/11/2010 05.17 PM

REPORT OF LABORATORY ANALYSIS

Page 35 of 54

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CABOT-EPA 006911



QUALITY CONTROL DATA

Project:

2H/4H

Pace Project No 3027040

Parameter Units Conc Result % Rec Limits Qual	LABORATORY CONTROL SAMPLE		Spike	LCS	LCS	% Rec	
2.4-Dinitrofoluene ug/kg 3330 1950 59 34-115 2.6-Dinitrofoluene ug/kg ND ND 2-Chlorophenol ug/kg 3330 1790 54 40-140 2-Chlorophenol ug/kg 3330 1790 54 40-140 2-Methylphenol(o-Cresol) ug/kg ND ND 2-Nitroaniline ug/kg ND 2-Nitroaniline ug/kg ND ND 333-Dichlorobenzidine ND 3-Nitroaniline ug/kg ND ND 4-6-Dintro-2-methylphenol ug/kg ND 4-B-Chloro-3-methylphenol ug/kg ND ND 4-Chloro-3-methylphenol ug/kg ND 4-Chloro-3-methylphenol ug/kg ND ND 4-Chloro-3-methylphenol ug/kg ND 4-Chloro-3-methylphenol ug/kg ND ND 4-Chloro-3-methylphenol ug/kg ND 4-Nitrophenol ug/kg 3330 1750 52 48-114 4-Nitrophenol ug/kg 3330<	Parameter	Units	Conc	Result	% Rec	Limits	Qualifiers
2.6-Dinitrotoluene ug/kg ND 2-C-Chioropaphthalene ug/kg 3330 1790 54 40-140 2-Methylinaphthalene ug/kg 3330 1710 51 40-140 2-Methylinaphthalene ug/kg ND ND 2-Nitrophenol 2-Nitrophenol ug/kg ND 2-Nitrophenol ug/kg ND ND 3-Ntrophenol 334-Methyliphenol(m&p Cresol) ug/kg ND 3-Ntrophenol ug/kg ND ND 3-Ntrophenol 4-Romophenyliphenol ug/kg ND 4-Romophenylbheryl ether ug/kg ND ND 4-Chloro-anthylphenol ug/kg ND 4-Chlorophenylphenyl ether ug/kg ND ND 4-Chlorophenylphenyl ether ug/kg ND 4-Chlorophenylphenyl ether ug/kg ND ND 4-Chlorophenylphenyl ether ug/kg ND 4-Ntrophenol ug/kg 3330 1760 53 27-125 4-Chlorophenylphenyl ether ug/kg 3330 1760 53 <td>2,4-Dinitrophenol</td> <td>ug/kg</td> <td></td> <td>ND</td> <td></td> <td></td> <td></td>	2,4-Dinitrophenol	ug/kg		ND			
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Benzo(a)anthracene ug/kg 3330 1860 56 40-140 Benzo(a)pyrene ug/kg 3330 2080 62 40-140 Benzo(b)fluoranthene ug/kg 3330 2110 63 40-140 Benzo(g,h,i)perylene ug/kg 3330 2100 51 40-140 Benzo(g,h,i)perylene ug/kg 3330 2030 61 40-140 Benzo(a)derivation ug/kg 3330 2030 61 40-140 Benzo(a)derivation ug/kg ND Benzyl alcohol ug/kg ND Benzyl alcohol ug/kg ND Bis(2-Chloroethoxy)methane ug/kg ND Bis(2-Chloroisopropyl) ether ug/kg ND Bis(2-Ethylhexyl)phthalate ug/kg ND Bis(benzyl benzyl benzyl) ug/kg ND Carbazole ug/kg ND Chrysene ug/kg 3330 1780 53 40-140 Di-n-butylphthalate ug/kg ND Di-n-butylphthalate ug/kg ND Di-n-octylphthalate ug/kg ND Di-							
Senzo(a)pyrene			3330		56	40-140	
Senzo (b) Fluorenthene Ug/kg 3330 2110 63 40-140 Senzo (g,h,i) perylene Ug/kg 3330 1700 51 40-140 Senzo (g,h,i) perylene Ug/kg 3330 2030 61 40-140 Senzo (acid Ug/kg ND ND Senzo (acid Ug/kg Ug/kg ND Senzo (acid	• •						
Senzo(g,h,i)perylene							
Benzo(k)fluoranthene ug/kg 3330 2030 61 40-140 Benzoic acid ug/kg ND Benzyl alcohol ug/kg ND Dis(2-Chloroethoxy)methane ug/kg ND Dis(2-Chloroethyl) ether ug/kg ND Dis(2-Chloroisopropyl) ether ug/kg ND Dis(2-Ethylhexyl)phthalate ug/kg ND Dis(2-Ethylhexyl)phthalate ug/kg ND Carbazole ug/kg ND Carbazole ug/kg ND Di-n-butylphthalate ug/kg ND Di-n-butylphthalate ug/kg ND Di-n-butylphthalate ug/kg ND Di-n-butylphthalate ug/kg ND Di-n-butylphthalate ug/kg ND Di-n-butylphthalate ug/kg ND Di-n-butylphthalate ug/kg ND Di-n-butylphthalate ug/kg ND Di-n-butylphthalate ug/kg ND Di-n-butylphthalate ug/kg ND Dibenzofuran ug/kg ND Dibenzofuran ug/kg ND Diethylphthalate ug/kg	• •	• •					
Senzoic acid ug/kg	10						
Banzyl alcohol ug/kg ND Dis(2-Chloroethoxy)methane ug/kg ND Dis(2-Chloroethoxy)methane ug/kg ND Dis(2-Chlorosopropyl) ether ug/kg ND Dis(2-Chlorosopropyl) ether ug/kg ND Dis(2-Ethylhexyl)phthalate ug/kg ND Dis(2-Ethylhexyl)phthalate ug/kg ND Dis(2-Ethylhexyl)phthalate ug/kg ND Distance ug/kg ND Ug/kg	• •		-		•		
Discription							
ois(2-Chloroethyl) ether ug/kg ND ois(2-Chloroisopropyl) ether ug/kg ND ois(2-Ethylhexyl)phthalate ug/kg ND Butylbenzylphthalate ug/kg ND Carbazole ug/kg ND Chrysene ug/kg ND Ohn-butylphthalate ug/kg ND Ohn-cylphthalate ug/kg ND Ohenz(a,h)anthracene ug/kg 3330 1990 60 40-140 Obenz(a,h)anthracene ug/kg ND ND ND Obenz(a,h)anthracene ug/kg ND ND ND Obenz(a,h)anthracene ug/kg ND ND ND Obenz(brane) ug/kg ND ND ND ND Obenz(brane) ug/kg ND ND ND ND ND ND Obenz(brane) ug/kg <	•						
Discription Discription	, , , , , , , , , , , , , , , , , , , ,						
pis(2-Ethylhexyl)phthalate ug/kg ND Butylbenzylphthalate ug/kg ND Carbazole ug/kg ND Chrysene ug/kg 3330 1780 53 40-140 Di-n-butylphthalate ug/kg ND Dol-n-octylphthalate ND Dol-n-oc	- ·						
Butylbenzylphthalate ug/kg ND Carbazole ug/kg ND Chrysene ug/kg 3330 1780 53 40-140 Di-n-butylphthalate ug/kg ND ND ND Di-n-octylphthalate ug/kg ND ND ND ND Dibenz(a,h)anthracene ug/kg 3330 1990 60 40-140 40-1							
Carbazole ug/kg ND Chrysene ug/kg 3330 1780 53 40-140 Di-n-butylphthalate ug/kg ND ND <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>							
Chrysene ug/kg 3330 1780 53 40-140 Di-n-butylphthalate ug/kg ND Di-n-octylphthalate ug/kg ND Dibenz(a,h)anthracene ug/kg 3330 1990 60 40-140 Dibenzofuran ug/kg ND ND Diethylphthalate ug/kg ND Dimethylphthalate ug/kg ND Fluoranthene ug/kg 3330 1650 50 40-140 Fluorene ug/kg 3330 1840 55 40-140	• • •						
Di-n-butylphthalate ug/kg ND Di-n-octylphthalate ug/kg ND Dibenz(a,h)anthracene ug/kg 3330 1990 60 40-140 Dibenzofuran ug/kg ND Diethylphthalate ug/kg ND Dimethylphthalate ug/kg ND Fluoranthene ug/kg 3330 1660 50 40-140 Fluorene ug/kg 3330 1840 55 40-140			3330		53	4 0 -140	
Di-n-octylphthalate ug/kg ND Dibenz(a,h)anthracene ug/kg 3330 1990 60 40-140 Dibenzofuran ug/kg ND Diethylphthalate ug/kg ND Dimethylphthalate ug/kg ND Fluoranthene ug/kg 3330 1660 50 40-140 Fluorene ug/kg 3330 1840 55 40-140	•		5550		55	40-140	
Dibenz(a,h)anthracene ug/kg 3330 1990 60 40-140 Dibenzofuran ug/kg ND Diethylphthalate ug/kg ND Dimethylphthalate ug/kg ND Fluoranthene ug/kg 3330 1660 50 40-140 Fluorene ug/kg 3330 1840 55 40-140	• •						
Dibenzofuran ug/kg ND Diethylphthalate ug/kg ND Dimethylphthalate ug/kg ND Fluoranthene ug/kg 3330 1660 50 40-140 Fluorene ug/kg 3330 1840 55 40-140	* .	• •	3330		60	40-140	
Diethylphthalate ug/kg ND Dimethylphthalate ug/kg ND Fluoranthene ug/kg 3330 1660 50 40-140 Fluorene ug/kg 3330 1840 55 40-140			3330		00	40-140	
Dimethylphthalate ug/kg ND Fluoranthene ug/kg 3330 1660 50 40-140 Fluorene ug/kg 3330 1840 55 40-140							
Fluoranthene ug/kg 3330 1660 50 40-140 Fluorene ug/kg 3330 1840 55 40-140							
Fluorene ug/kg 3330 1840 55 40-140	• .		2220		EO.	40 140	
nexacilioro- i,o-putadiene ug/kg ND			3330		5 5	40-140	
Hayaahlarahanzana ugika ND	•						
Hexachlorobenzene ug/kg ND Hexachlorocyclopentadiene ug/kg ND							

Date. 06/11/2010 05:17 PM

REPORT OF LABORATORY ANALYSIS

Page 36 of 54

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CABOT-EPA 006912



QUALITY CONTROL DATA

Project:

2H/4H

Pace Project No.: 3027040

ABORATORY CONTROL SAMPLE:	166361				3	
		Spike	LCS	LCS	% Rec	
Parameter	Units	Conc.	Result	% Rec	Limits	Qualifiers
exachloroethane	ug/kg		ND _			
leno(1,2,3-cd)pyrene	ug/kg	3330	1900	57	40-140	
phorone	ug/kg		ND			
Nitroso-di-n-propylamine	ug/kg	3330	1980	59	43-126	
Nitrosodimethylamine	ug/kg		ND			
Nitrosodiphenylamine	ug/kg		ND			
phthalene	ug/kg	3330	1720	51	40-140	
robenzene	ug/kg		ND			
itachlorophenol	ug/kg	3330	1540	46	14-127	
nanthrene	ug/kg	3330	1760	53	40-140	
enol	ug/kg	3330	1620	49	39-120	
ene	ug/kg	3330	1630	49	43-135	
,6-Tribromophenol (S)	%			62	10-123	
Tuorobipheny! (S)	%			53	43-116	
Fluorophenol (S)	%			46	21-110	
obenzene-d5 (S)	%			45	35-114	
enol-d6 (S)	%			52	10-110	
phenyl-d14 (S)	%			60	33-141	

			MS	MSD							
	3027040002		Spike	Spike	MS	MSD	MS	MSD	% Rec		
Parameter	Units	Result	Conc.	Conc.	Result	Result	% Rec	% Rec	Limits	RPD	Qua
1,2,4-Trichlorobenzene	ug/kg	ND	30100	28200	17300	16600	58	59	43-120	4	
1,2-Dichlorobenzene	ug/kg	ND			ND	ND					
1,3-Dichlorobenzene	ug/kg	ND			ND	ND					
1,4-Dichlorobenzene	ug/kg	ND	30100	28200	16300	15300	54	54	37-118	6	
1-Methylnaphthalene	ug/kg	ND	30100	28200	16400	18500	55	66	40-140	12	
2,4,5-Trichlorophenol	ug/kg	ND			ND	ND					
2,4,6-Trichlorophenol	ug/kg	ND			ND	ND					
2,4-Dichlorophenol	ug/kg	ND			ND	ND					
2,4-Dimethylphenol	ug/kg	ND			ND	ND					
2,4-Dinitrophenol	ug/kg	ND			ND	ND					
2,4-Dinitrotoluene	ug/kg	ND	30100	28200	9670	11300	32	40	34-115	16 M0	
2,6-Dinitrotoluene	ug/kg	ND			ND	ND					
2-Chloronaphthalene	ug/kg	ND			ND	ND					
2-Chlorophenol	ug/kg	ND	30100	28200	16000	13700	53	49	40-140	15	
2-Methylnaphthalene	ug/kg	ND	30100	28200	15200	16700	50	59	40-140	10	
2-Methylphenol(o-Cresol)	ug/kg	ND			ND	ND					
2-Nitroaniline	ug/kg	ND			ND	ND					
2-Nitrophenol	ug/kg	ND			ND	ND					
3&4-Methylphenol(m&p Cresol)	ug/kg	ND			ND	ND					
3,3'-Dichlorobenzidine	ug/kg	ND			ND	ND					
3-Nitroaniline	ug/kg	ND			ND	ND					
4,6-Dinitro-2-methylphenol	ug/kg	ND			ND	ND					
4-Bromophenylphenyl ether	ug/kg	ND			ND	ND					

Date: 06/11/2010 05:17 PM

REPORT OF LABORATORY ANALYSIS

Page 37 of 54

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CABOT-EPA 006913



QUALITY CONTROL DATA

Project:

2H/4H

Pace Project No.: 3027040

			MS	MSD							
Parameter	302 Units	27040002 Result	Spike Conc.	Spike Conc	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
4-Chloro-3-methylphenol	ug/kg	ND	30100	28200	20600	19800	68	70	42-130	4	
4-Chloroaniline	ug/kg	ND			ND	ND					
4-Chlorophenylphenyl ether	ug/kg	ND			ND	ND					
4-Nitroaniline	ug/kg	ND			ND	ND					
4-Nitrophenol	ug/kg	ND	30100	28200	574J	505J	2	2	27-125	M0	
Acenaphthene	ug/kg	ND	30100	28200	13300	14000	44	50	48-114	5 M0	
Acenaphthylene	ug/kg	ND	30100	28200	13800	15700	46	56	40-140	13	
Anthracene	ug/kg	ND	30100	28200	14800	16600	49	59	40-140	11	
Azobenzene	ug/kg	ND			ND	ND					
Benzo(a)anthracene	ug/kg	ND	30100	28200	15000	15300	50	54	40-140	2	
Benzo(a)pyrene	ug/kg	ND	30100	28200	15600	16200	52	57	40-140	4	
Benzo(b)fluoranthene	ug/kg	ND	30100	28200	16300	17200	54	61	40-140	5	
Benzo(g,h,i)perylene	ug/kg	ND	30100	28200	9140	8720	30	31	40-140	5 M0	
Benzo(k)fluoranthene	ug/kg	ND	30100	28200	15900	16000	53	57	40-140		
Benzoic acid	ug/kg	ND			ND	ND					
Benzyl alcohol	ug/kg	ND			ND	ND					
bis(2-Chloroethoxy)methane	ug/kg	ND			ND	ND					
bis(2-Chloroethyl) ether	ug/kg	ND			ND	ND					
bis(2-Chloroisopropyl) ether	ug/kg	ND			ND	ND					
bis(2-Ethylhexyl)phthalate	ug/kg	ND			ND	ND					
Butylbenzylphthalate	ug/kg	ND			ND	ND					
Carbazole	ug/kg	ND			ND	ND					
Chrysene	ug/kg ug/kg	ND	30100	28200	13700	13900	45	49	40-140	1	
Di-n-butylphthalate	ug/kg ug/kg	ND	30100	20200	ND	ND	40	43	40-140	•	
Di-n-octylphthalate	ug/kg	ND			ND	ND					
• •		ND	30100	28200	12400	11800	41	42	40-140	6	
Dibenz(a,h)anthracene Dibenzofuran	ug/kg	ND	30 100	20200	ND	ND	41	42	40-140	· ·	
	ug/kg	ND			ND	ND					
Diethylphthalate	ug/kg	ND									
Dimethylphthalate	ug/kg	ND	00400	00000	ND	ND	44	40	40.440		
Fluoranthene	ug/kg	ND ND	30100	28200	13100	12900	44 45	46 56	40-140 40-140		
Fluorene	ug/kg		30100	28200	13700	15700	45	56	40-140	14	
Hexachloro-1,3-butadiene	ug/kg	ND			ND	ND					
Hexachlorobenzene	ug/kg	ND			ND	ND					
Hexachlorocyclopentadiene	ug/kg	ND			ND	ND					
Hexachloroethane	ug/kg	ND			ND	ND					
Indeno(1,2,3-cd)pyrene	ug/kg	ND	3010 0	28200	10700	10600	36	38	40-140	2 MO	
Isophorone	ug/kg	ND			ND	ND				_	
N-Nitroso-di-n-propylamine	ug/kg	ND	30100	28200	18700	17200	62	61	43-126	8	
N-Nitrosodimethylamine	ug/kg	ND			ND	ND					
N-Nitrosodiphenylamine	ug/kg	ND			ND	ND					
Naphthalene	ug/kg	ND	30100	28200	16800	16300	56	58	40-140	3	
Nitrobenzene	ug/kg	ND			ND	ND					
Pentachlorophenol	ug/kg	ND	30100	28200	587J	576J	2	2	14-127	' MO	
Phenanthrene	ug/kg	ND	30100	28200	14300	15800	48	56	40-140	10	
Phenol	ug/kg	ND	30100	28200	14500	13300	48	47	39-120	9	
Pyrene	ug/kg	ND	30100	28200	11700	12000	39	43	43-135	3 MO	
2,4,6-Tribromophenol (S)	%						29	26	10-123	}	

Date: 06/11/2010 05:17 PM

REPORT OF LABORATORY ANALYSIS

Page 38 of 54

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CABOT-EPA 006914



QUALITY CONTROL DATA

Project:

2H/4H

Pace Project No.: 3027040

MATRIX SPIKE & MATRIX S	SPIKE DUPLICAT	E: 16636	2		166363						
Parameter	30 Units	027040002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
2-Fluorobiphenyl (S)	%						47	55	43-116		
2-Fluorophenol (S)	%						42	37	21-110		
Nitrobenzene-d5 (S)	%						50	51	35-114		
Phenol-d6 (S)	%						53	51	10-110		
Terphenyl-d14 (S)	%						52	57	33-141		

Date: 06/11/2010 05:17 PM

REPORT OF LABORATORY ANALYSIS

Page 39 of 54

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CABOT-EPA 006915



QUALITY CONTROL DATA

Project

2H/4H 3027040

Pace Project No.:

QC Batch:

OEXT/4827

Analysis Method

EPA 8270

QC Batch Method:

EPA 3510

Analysis Description

8270 Water MSSV

Associated Lab Samples:

3027040003, 3027040004

METHOD BLANK: 166380

ug/L

ug/L

ug/L

ug/L

Matrix Water

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trichlorobenzene	ug/L	ND -	1 0	05/09/10 15:34	-
1,2-Dichlorobenzene	ug/L	ND	1.0	05/09/10 15:34	
1,3-Dichlorobenzene	ug/L	ND	1.0	05/09/10 15:34	
1,4-Dichlorobenzene	ug/L	ND	1.0	05/09/10 15:34	
1-Methylnaphthalene	ug/L	ND	1.0	05/09/10 15:34	
2,4,5-Trichlorophenol	ug/L	ND	2.5	05/09/10 15:34	
2,4,6-Trichlorophenol	ug/L	ND	1.0	05/09/10 15:34	
2,4-Dichlorophenol	ug/L	ND	1.0	05/09/10 15 34	
2,4-Dimethylphenol	ug/L	ND	1.0	05/09/10 15.34	
2,4-Dinitrophenol	ug/L	ND	2.5	05/09/10 15.34	
2,4-Dinitrotoluene	ug/L	ND	1.0	05/09/10 15:34	
2,6-Dinitrotoluene	ug/L	ND	1.0	05/09/10 15:34	
2-Chloronaphthalene	ug/L	ND	1.0	05/09/10 15:34	
2-Chlorophenol	ug/L	ND	1.0	05/09/10 15:34	
2-Methylnaphthalene	ug/L	ND	1.0	05/09/10 15.34	
2-Methylphenol(o-Cresol)	ug/L	ND	1.0	05/09/10 15:34	
2-Nitroaniline	ug/L	ND	2.5	05/09/10 15:34	
2-Nitrophenol	ug/L	ND	1.0	05/09/10 15:34	
3&4-Methylphenol(m&p Cresol)	ug/L	ND	2.0	05/09/10 15:34	
3,3'-Dichlorobenzidine	ug/L	ND	1.0	05/09/10 15:34	
3-Nitroaniline	ug/L	ND	2 5	05/09/10 15:34	
4,6-Dinitro-2-methylphenol	ug/L	ND	2 5	05/09/10 15:34	
4-Bromophenylphenyl ether	ug/L	ND	1.0	05/09/10 15:34	
4-Chloro-3-methylphenol	ug/L	ND	1.0	05/09/10 15:34	
4-Chloroaniline	ug/L	ND	1.0	05/09/10 15.34	
4-Chiorophenylphenyl ether	ug/L	ND	1.0	05/09/10 15.34	
4-Nitroaniline	ug/L	ND	2.5	05/09/10 15.34	
4-Nitrophenol	ug/L	ND	1.0	05/09/10 15 34	
Acenaphthene	ug/L	ND	1.0	05/09/10 15:34	
Acenaphthylene	ug/L	ND	1.0	05/09/10 15:34	
Anthracene	ug/L	ND	1.0	05/09/10 15:34	
Azobenzene	ug/L	ND	1.0	05/09/10 15:34	
Benzo(a)anthracene	ug/L	ND	1.0	05/09/10 15:34	
Benzo(a)pyrene	ug/L	ND	1.0	05/09/10 15:34	
Benzo(b)fluoranthene	ug/L	ND	1.0	05/09/10 15:34	
Benzo(g,h,i)perylene	ug/L	ND	1.0	05/09/10 15:34	
Benzo(k)fluoranthene	ug/L	ND	1.0	05/09/10 15 34	
Benzoic acid	ug/L	ND	100	05/09/10 15 34	
Benzyl alcohol	ug/L	ND	1.0	05/09/10 15.34	
his/O Oblass athesis Assathana		ND	4.0	05/00/40 45 04	

bis(2-Ethylhexyl)phthalate Date: 06/11/2010 05:17 PM

bis(2-Chloroethyl) ether

bis(2-Chloroethoxy)methane

bis(2-Chloroisopropyl) ether

REPORT OF LABORATORY ANALYSIS

ND

ND

ND

ND

1.0 05/09/10 15.34

1.0 05/09/10 15.34

1.0 05/09/10 15:34

1.0 05/09/10 15:34

Page 40 of 54

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CABOT-EPA 006916



QUALITY CONTROL DATA

Project:

2H/4H

Pace Project No.: 3027040

METHOD BLANK: 166380

Matrix: Water

Associated Lab Samples: 3027040003, 3027040004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Butylbenzylphthalate	ug/L	ND	1.0	05/09/10 15:34	
Carbazole	ug/L	ND	1.0	05/09/10 15 34	
Chrysene	ug/L	ND	1.0	05/09/10 15:34	
Di-n-butylphthalate	ug/L	ND	1.0	05/09/10 15:34	
Di-n-octylphthalate	ug/L	ND	1.0	05/09/10 15.34	
Dibenz(a,h)anthracene	ug/L	ND	1.0	05/09/10 15:34	
Dibenzofuran	ug/L	ND	1.0	05/09/10 15:34	
Diethylphthalate	ug/L	ND	1.0	05/09/10 15:34	
Dimethylphthalate	ug/L	ND	1.0	05/09/10 15:34	
Fluoranthene	ug/L	ND	1.0	05/09/10 15:34	
Fluorene	ug/L	ND	1.0	05/09/10 15:34	
Hexachloro-1,3-butadiene	ug/L	ND	1.0	05/09/10 15:34	
Hexachlorobenzene	ug/L	ND	1.0	05/09/10 15:34	
Hexachlorocyclopentadiene	ug/L	ND	1.0	05/09/10 15:34	
Hexachloroethane	ug/L	ND	1.0	05/09/10 15:34	
Indeno(1,2,3-cd)pyrene	ug/L	ND	1.0	05/09/10 15:34	
tsophorone	ug/L	ND	1.0	05/09/10 15:34	
N-Nitroso-di-n-propylamine	ug/L	ND	1.0	05/09/10 15.34	
N-Nitrosodimethylamine	ug/L	ND	1.0	05/09/10 15:34	
N-Nitrosodiphenylamine	ug/L	ND	1.0	05/09/10 15:34	
Naphthalene	ug/L	ND	1.0	05/09/10 15:34	
Nitrobenzene	ug/L	ND	1.0	05/09/10 15:34	
Pentachlorophenol	ug/L	ND	2.5	05/09/10 15:34	
Phenanthrene	ug/L	ND	1.0	05/09/10 15:34	
Phenol	ug/L	ND	1.0	05/09/10 15:34	
Pyrene	ug/L	ND	1.0	05/09/10 15:34	
2,4,6-Tribromophenol (S)	%	50	10-123	05/09/10 15·34	
2-Fluorobiphenyl (S)	%	40	43-116	05/09/10 15.34	S1
2-Fluorophenol (S)	%	19	21-110	05/09/10 15:34	S1
Nitrobenzene-d5 (S)	%	36	35-114	05/09/10 15:34	
Phenol-d6 (S)	%	13	10-110	05/09/10 15:34	
Terphenyl-d14 (S)	%	52	33-141	05/09/10 15:34	

LABORATORY CONTROL SAMPLE:	166381					
Parameter	Units	Spike Conc	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/L	5	1.9	38	39-98	LO
1,2-Dichlorobenzene	ug/L		ND			
1,3-Dichlorobenzene	ug/L		ND			
1,4-Dichlorobenzene	ug/L	5	1.6	33	20-124	
1-Methylnaphthalene	ug/L	5	2.1	42	40-140	
2,4,5-Trichlorophenol	ug/L		ND			
2,4,6-Trichlorophenol	ug/L		ND			
2,4-Dichlorophenol	ug/L		ND			
2,4-Dimethylphenol	ug/L		ND			

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REPORT OF LABORATORY ANALYSIS

Page 41 of 54

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CABOT-EPA 006917



QUALITY CONTROL DATA

Project

2H/4H

Pace Project No.: 3027040

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,4-Dinitrophenol	ug/L		ND -			
2,4-Dinitrotoluene	ug/L	5	2.0	40	39-139	
2,6-Dinitrotoluene	ug/L		ND			
2-Chloronaphthalene	ug/L		ND			
2-Chlorophenol	ug/L	5	1.8	35	23-134	
2-Methylnaphthalene	ug/L	5	1.8	35	40-140 L0)
2-Methylphenol(o-Cresol)	ug/L	Ū	ND	00	10 110 20	,
2-Nitroaniline	ug/L		ND			
2-Nitrophenol	ug/L		ND			
3&4-Methylphenol(m&p Cresol)	ug/L		ND			
3,3'-Dichlorobenzidine	ug/L		ND			
3-Nitroaniline	ug/L		ND			
4,6-Dinitro-2-methylphenol	ug/L		ND	•		
4-Bromophenylphenyl ether	ug/L		ND			
4-Chloro-3-methylphenol	ug/L	5	2.2	44	22-147	
4-Chloroaniline	ug/L	ŭ	ND	r-r		
4-Chlorophenylphenyl ether	ug/L		ND			
4-Nitroaniline	ug/L		ND			
4-Nitrophenol	ug/L	5	.65J	13	1-132	
Acenaphthene	ug/L	5	1.8	37	27-133	
Acenaphthylene	ug/L	5	1.8	37	33-145	
Anthracene	ug/L	5	1.9	38	27-133	
Azobenzene	ug/L	ŭ	ND	00	21 100	
Benzo(a)anthracene	ug/L	5	24	49	33-142	
Benzo(a)pyrene	ug/L	5	2.4	48	17-163	
Benzo(b)fluoranthene	ug/L	5	2.6	53	24-159	
Benzo(g,h,ı)perylene	ug/L	5	2.4	48	1-219	
Benzo(k)fluoranthene	ug/L	5	2.7	53	11-162	
Benzoic acid	ug/L	•	ND	55	11-102	
Benzyl alcohol	ug/L		ND			
bis(2-Chloroethoxy)methane	ug/L		ND			
bis(2-Chloroethyl) ether	ug/L		ND			
bis(2-Chloroisopropyl) ether	ug/L		ND			
bis(2-Ethylhexyl)phthalate	ug/L		ND			
Butylbenzylphthalate	ug/L		ND			
Carbazole	ug/L ug/L		ND			
Chrysene	ug/L	5	2.4	49	17-168	
Di-n-butylphthalate	ug/L	3	ND	73	17-100	
Di-n-octylphthalate	ug/L		ND ND			
Dibenz(a,h)anthracene	ug/L	5	2.4	47	1-227	
Dibenzofuran	ug/L ug/L	J	ND	7/	1-221	
Diethylphthalate	ug/L		ND			
Dimethylphthalate	ug/L		ND ND			
Fluoranthene	ug/L	5	2.2	43	26-137	
Fluorene	ug/L ug/L	5	1.9	38	59-121 L0	1
Hexachloro-1,3-butadiene	ug/L	J	ND	30	33-121 LC	,
Hexachlorobenzene	ug/L		ND ND			
I IONGCI IIOI ODGI IZGI IG	ug/L		עוו			

Date: 06/11/2010 05:17 PM

REPORT OF LABORATORY ANALYSIS

Page 42 of 54

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CABOT-EPA 006918



QUALITY CONTROL DATA

Project

2H/4H

Pace Project No.: 3027040

ABORATORY CONTROL SAMPLE	166381			_		
		Spike	LCS	LCS	% Rec	
Parameter	Units	Conc.	Result	% Rec	Limits	Qualifiers
exachloroethane	ug/L		ND			
eno(1,2,3-cd)pyrene	ug/L	5	2.5	50	1-171	
phorone	ug/L		ND			
Nitroso-di-n-propylamine	ug/L	5	2.0	41	1-230	
Nitrosodimethylamine	ug/L		ND			
Nitrosodiphenylamine	ug/L		ND			
ohthalene	ug/L	5	1.8	37	21-133	
obenzene	ug/L		ND			
tachlorophenol	ug/L	5	2.1J	42	14-176	
nanthrene	ug/L	5	2.1	42	54-120 L	_0
enol	ug/L	5	.71J	14	5-112	
ene	ug/L	5	2.0	40	26-127	
6-Tribromophenol (S)	%			49	10-123	
luorobiphenyl (S)	%			38	43-116 \$	31
Fluorophenol (S)	%			17	21-110 5	31
robenzene-d5 (S)	%			32	35-114 \$	S1
enol-d6 (S)	%			12	10-110	
rphenyl-d14 (S)	%			49	33-141	

MATRIX SPIKE & MATRIX SPI	KE DUPLICAT	E: 16638	2		166383						
Parameter	30 Units	027017001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qua
1,2,4-Trichlorobenzene	ug/L	ND	5.1	5.2	2.4	2.8	47	54	39-98	16	
1,2-Dichlorobenzene	ug/L				ND	ND					
1,3-Dichlorobenzene	ug/L				ND	ND					
1,4-Dichlorobenzene	ug/L		5.1	5.2	2.2	24	43	46	20-124	7	
1-Methylnaphthalene	ug/L	ND	5.1	5.2	2.6	30	50	57	40-140	15	
2,4,5-Trichlorophenol	ug/L	ND			ND	ND					
2,4,6-Trichlorophenol	ug/L	ND			ND	ND					
2,4-Dichlorophenol	ug/L	ND			ND	ND					
2,4-Dimethylphenol	ug/L	ND			ND	ND					
2,4-Dinitrophenol	ug/L	ND			1.8J	ND					
2,4-Dinitrotoluene	ug/L	ND	5.1	5.2	2.5	29	49	56	39-139	14	
2,6-Dinitrotoluene	ug/L	ND			ND	ND					
2-Chloronaphthalene	ug/L	ND			ND	ND					
2-Chlorophenol	ug/L	ND	5.1	5.2	2.3	2 5	45	49	23-134	10	
2-Methylnaphthalene	ug/L	ND	5.1	5.2	2.2	26	43	51	40-140	19	
2-Methylphenol(o-Cresol)	ug/L	ND			ND	ND					
2-Nitroaniline	ug/L	ND			ND	ND					
2-Nitrophenol	ug/L	ND			ND	ND					
3&4-Methylphenol(m&p Cresol)	ug/L	ND			ND	ND					
3,3'-Dichlorobenzidine	ug/L	ND			ND	ND					
3-Nitroaniline	ug/L	ND			ND	ND					
4,6-Dinitro-2-methylphenol	ug/L	ND			ND	ND					
4-Bromophenylphenyl ether	ug/L	ND			ND	ND					

Date: 06/11/2010 05:17 PM

REPORT OF LABORATORY ANALYSIS

Page 43 of 54

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CABOT-EPA 006919



QUALITY CONTROL DATA

Project:

2H/4H

Pace Project No.: 3027040

			MS	MSD							
Parameter	30 Units	27017001 Result	Spike Conc.	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
		ND -									Qua
4-Chloro-3-methylphenol	ug/L	ND ND	5.1	5.2	2.3	29	46	56	22-147	21	
4-Chloroaniline	ug/L	ND			ND	ND					
4-Chlorophenylphenyl ether	ug/L				ND	ND					
4-Nitroaniline	ug/L	ND			ND	ND					
4-Nitrophenol	ug/L	ND	5.1	5.2	.63J	1.2	12	22	1-132		
Acenaphthene	ug/L	ND	5.1	5.2	25	2.8	49	54	27-133		
Acenaphthylene	ug/L	ND	5 1	5.2	24	2.9	48	55	33-145		
Anthracene	ug/L	ND	5 1	5.2	26	2.9	51	56	27-133	12	
Azobenzene	ug/L	ND			ИD	ND					
Benzo(a)anthracene	ug/L	ND	5.1	52	3.2	3 7	63	71	33-142		
Benzo(a)pyrene	ug/L	ND	5.1	5.2	2.7	32	53	61	17-163		
Benzo(b)fluoranthene	ug/L	ND	5.1	5.2	3.1	3.5	61	68	24-159		
Benzo(g,h,i)perylene	ug/L	ND	5.1	5.2	2.5	30	50	59	1-219	18	
Benzo(k)fluoranthene	ug/L	ND	5.1	5.2	3.3	3.4	65	66	11-162	3	
Benzoic acid	ug/L	ND			ND	ND					
Benzyl alcohol	ug/L	ND			ND	ND					
ois(2-Chloroethoxy)methane	ug/L	ND			ND	ND					
ois(2-Chloroethyl) ether	ug/L	ND			ND	ND					
ois(2-Chloroisopropyl) ether	ug/L	ND			ND	ND					
ois(2-Ethylhexyl)phthalate	ug/L	ND			ND	ND					
Butylbenzylphthalate	ug/L	ND			ND	ND					
Carbazole	ug/L	ND			ND	ND					
Chrysene	ug/L	ND	5 1	5.2	3.3	3.7	65	72	17-168	11	
Di-n-butylphthalate	ug/L	ND	3 1	J.Z	ND	ND	05	12	17-100	''	
Di-n-octylphthalate	ug/L ug/L	ND			ND	ND					
Dibenz(a,h)anthracene	ug/L ug/L	ND	5.1	52	2.4	2.9	48	57	1-227	19	
Dibenz(a,ri)antirracene Dibenzofuran	•	ND	5.1	52	ND	ND	40	51	1-221	19	
	ug/L	ND									
Diethylphthalate	ug/L				ND	ND					
Dimethylphthalate	ug/L	ND ND	- .		ND	ND			00.10-	4-	
Fluoranthene	ug/L		5 1	5.2	29	3.4	57	66	26-137		
Fluorene	ug/L	ND	5.1	5.2	2.5	2.9	49	56	59-121	15 M)
Hexachloro-1,3-butadiene	ug/L	ND			ND	ND					
Hexachlorobenzene	ug/L	ND			ND	ND					
Hexachlorocyclopentadiene	u g/ L	ND			ND	ND					
Hexachloroethane	ug/L	ND			ND	ND					
Indeno(1,2,3-cd)pyrene	ug/L	ND	5 1	5.2	2.6	3.2	51	63	1-171	23	
Isophorone	ug/L	ND			ND	ND					
N-Nitroso-di-n-propylamine	ug/L	ND	5.1	5.2	2.7	3.0	54	5 9	1-230	10	
N-Nitrosodimethylamine	ug/L	ND			ND	ND					
N-Nitrosodiphenylamine	ug/L	ND			ND	ND					
Naphthalene	ug/L		5.1	5.2	2.4	2.8	46	54	21-133	16	
Nitrobenzene	ug/L	ND			ND	ND					
Pentachlorophenol	u g/ L	ND	5 1	5.2	3.2	3 .6	63	70	14-176	12	
Phenanthrene	บ g/ L	ND	5.1	5.2	2.8	3.1	55	59	54-120	10	
Phenol	u g/ L	ND	5.1	5.2	. 9 J	1.0	18	19	5-112		
Pyrene	ug/L	ND	5.1	5.2	3.1	3.6	62	70	26-127		
2,4,6-Tribromophenol (S)	%						55	65	10-123		

Date: 06/11/2010 05:17 PM

REPORT OF LABORATORY ANALYSIS

Page 44 of 54

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CABOT-EPA 006920



QUALITY CONTROL DATA

Project:

2H/4H

Pace Project No.: 3027040

MATRIX SPIKE & MATRIX S	PIKE DUPLICAT	E: 16638	2		166383						
Parameter	30 Units	027017001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec	RPD	Quai
											Qua
2-Fluorobiphenyl (S)	%						47	52	43-116		
2-Fluorophenol (S)	%						31	30	21-110		
Nitrobenzene-d5 (S)	%						42	50	35-114		
Phenol-d6 (S)	%						17	17	10-110		
erphenyl-d14 (S)	%						73	80	33-141		

Date. 06/11/2010 05:17 PM

REPORT OF LABORATORY ANALYSIS

Page 45 of 54

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CABOT-EPA 006921



QUALITY CONTROL DATA

Project:

2H/4H

Pace Project No.:

3027040

QC Batch:

MSV/5733

Analysis Method:

EPA 8260

QC Batch Method:

EPA 8260

Analysis Description:

8260 MSV 5035 Low

Associated Lab Samples: 3027040001, 3027040002

METHOD BLANK: 166413

Matrix: Solid

Associated Lab Samples.	3027040001, 3027040002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/kg	ND -	5 0	05/04/10 16:29	
1,1,2,2-Tetrachloroethane	ug/kg	ND	50	05/04/10 16.29	
1,1,2-Trichloroethane	ug/kg	ND	5.0	05/04/10 16.29	
1,1-Dichloroethane	ug/kg	ND	5.0	05/04/10 16:29	
1,1-Dichloroethene	ug/kg	ND	5.0		
1,2,4-Trichlorobenzene	ug/kg	ND	50	05/04/10 16:29	
1,2,4-Trimethylbenzene	ug/kg	ND	50	05/04/10 16.29	
1,2-Dichlorobenzene	ug/kg	ND	5.0	05/04/10 16:29	
1,2-Dichloroethane	ug/kg	ND	5.0	05/04/10 16:29	
1,2-Dichloropropane	ug/kg	ND	5 0	05/04/10 16:29	
1,3,5-Trimethylbenzene	ug/kg	ND	5.0	05/04/10 16.29	
1,3-Dichlorobenzene	ug/kg	ND	5.0	05/04/10 16:29	
1,4-Dichlorobenzene	ug/kg	ND	5.0	05/04/10 16:29	
2-Butanone (MEK)	ug/kg	ND	10.0	05/04/10 16 29	
2-Hexanone	ug/kg	ND	10.0		
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	10.0	05/04/10 16:29	
Acetone	ug/kg	ND	10.0	05/04/10 16:29	
Benzene	ug/kg	ND	5.0		
Bromochloromethane	ug/kg	ND	5.0		
Bromodichloromethane	ug/kg	ND	5.0		
Bromoform	ug/kg	ND	5.0		
Bromomethane	ug/kg	ND	5.0	05/04/10 16:29	
Carbon disulfide	ug/kg	ND	5.0	05/04/10 16:29	
Carbon tetrachloride	ug/kg	ND	5.0	05/04/10 16:29	
Chlorobenzene	ug/kg	ND	5 0	05/04/10 16.29	
Chloroethane	ug/kg	ND	5.0		
Chloroform	ug/kg	ND	5.0	05/04/10 16:29	
Chloromethane	ug/kg	ND	5.0		
cis-1,2-Dichloroethene	ug/kg	ND	5.0		
cis-1,3-Dichloropropene	ug/kg	ND	5.0	05/04/10 16:29	
Dibromochloromethane	ug/kg	ND	5.0	05/04/10 16:29	
Ethylbenzene	ug/kg	ND	50		
Isopropylbenzene (Cumene)	ug/kg	ND	5.0	05/04/10 16:29	
m&p-Xylene	ug/kg	ND	10.0	05/04/10 16:29	
Methyl-tert-butyl ether	ug/kg	ND	5.0	05/04/10 16:29	
Methylene Chloride	ug/kg	ND	5.0	05/04/10 16:29	
n-Butylbenzene	ug/kg	ND	5.0		
n-Propylbenzene	ug/kg	ND	5.0	05/04/10 16:29	
Naphthalene	ug/kg	ND	5.0		
o-Xylene	ug/kg	ND	5.0		
p-Isopropyltoluene	ug/kg	ND	5.0		
sec-Butylbenzene	ug/kg	ND	5.0	05/04/10 16 29	
Styrene	ug/kg	ND	5.0	05/04/10 16:29	

Date: 06/11/2010 05 17 PM

REPORT OF LABORATORY ANALYSIS

Page 46 of 54

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CABOT-EPA 006922



QUALITY CONTROL DATA

Project:

2H/4H

Pace Project No.:

3027040

METHOD BLANK: 166413

Matrix: Solid

Associated Lab Samples. 3027040001, 3027040002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Tetrachloroethene	ug/kg	ND ND	5.0	05/04/10 16.29	
Toluene	u g/kg	ND	5 0	05/04/10 16:29	
TOTAL BTEX	ug/kg	ND	30.0	05/04/10 16:29	
trans-1,2-Dichloroethene	ug/kg	ND	5.0	05/04/10 16 29	
trans-1,3-Dichloropropene	ug/kg	ND	5.0	05/04/10 16:29	
Trichloroethene	ug/kg	ND	5.0	05/04/10 16:29	
Vinyl chloride	ug/kg	ND	50	05/04/10 16:29	
Xylene (Total)	ug/kg	ND	15.0	05/04/10 16.29	
1,2-Dichloroethane-d4 (S)	%	115	70-130	05/04/10 16:29	
4-Bromofluorobenzene (S)	%	97	70-130	05/04/10 16:29	
Toluene-d8 (S)	%	94	70-130	05/04/10 16:29	

LABORATORY CONTROL SAMPLE:	166414					
		Spike	LCS	LCS	% Rec	
Parameter	Units	Conc.	Result	% Rec	Limits	Qualifiers
1,1,1-Trichloroethane	ug/kg	20	19.8	99	70-130	_
1,1,2,2-Tetrachloroethane	ug/kg	20	17 9	90	70-130	
1,1,2-Trichloroethane	ug/kg	20	18.7	93	70-130	
1,1-Dichloroethane	ug/kg	20	20.8	104	70-130	
1,1-Dichloroethene	ug/kg	20	16.7	84	70-130	
1,2,4-Trichlorobenzene	ug/kg	20	18 3	91	70-130	
1,2,4-Trimethylbenzene	ug/kg	20	19 2	96	70-130	
1,2-Dichlorobenzene	ug/kg	20	19.4	97	70-130	
1,2-Dichloroethane	ug/kg	20	21.2	106	70-130	
1,2-Dichloropropane	ug/kg	20	19.9	99	70-130	
1,3,5-Trimethylbenzene	ug/kg	20	19 2	96	70-130	
1,3-Dichlorobenzene	ug/kg	20	19.4	97	70-130	
1,4-Dichlorobenzene	ug/kg	20	19.2	96	70-130	
2-Butanone (MEK)	ug/kg	20	22.8	114	70-130	
2-Hexanone	ug/kg	20	23.4	117	70-130	
4-Methyl-2-pentanone (MIBK)	ug/kg	20	23 3	117	70-130	
Acetone	ug/kg	20	29 0	145	70-130	L0
Benzene	ug/kg	20	20.4	102	70-130	
Bromochloromethane	ug/kg	20	20.4	102	70-130	
Bromodichloromethane	ug/kg	20	18.5	92	70-130	
Bromoform	ug/kg	20	15.4	77	70-130	
Bromomethane	ug/kg	20	21.8	109	70-130	
Carbon disulfide	ug/kg	20	25 9	130	70-130	
Carbon tetrachloride	ug/kg	20	18.4	92	70-130	
Chlorobenzene	ug/kg	20	19.3	96	70-130	
Chloroethane	ug/kg	20	20.6	103	70-130	
Chloroform	ug/kg	20	20.5	102	70-130	
Chloromethane	ug/kg	20	18.1	91	70-130	
cis-1,2-Dichloroethene	ug/kg	20	20.0	100	70-130	
cis-1,3-Dichloropropene	ug/kg	20	18.4	92	70-130	

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REPORT OF LABORATORY ANALYSIS

Page 47 of 54

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CABOT-EPA 006923



QUALITY CONTROL DATA

Project

2H/4H

Pace Project No.: 3027040

LABORATORY CONTROL SAMPLE.	166414					
		Spike	LCS	LCS	% Rec	
Parameter	Units	Conc.	Result	% Rec	Limits	Qualifiers
Dibromochloromethane	ug/kg	20	16.5	82	70-130	
Ethylbenzene	ug/kg	20	19.5	98	70-130	
sopropylbenzene (Cumene)	ug/kg	20	19.7	98	70-130	
n&p-Xylene	ug/kg	40	39 5	99	70-130	
Methyl-tert-butyl ether	ug/kg	20	22.3	111	70-130	
Methylene Chloride	ug/kg	20	18.2	91	70-130	
n-Butylbenzene	ug/kg	20	19.5	97	70-130	
n-Propylbenzene	ug/kg	20	19.5	98	70-130	
laphthalene	ug/kg	20	18.3	92	70-130	
-Xylene	ug/kg	20	19.4	97	70-130	
p-Isopropyltoluene	ug/kg	20	19.5	98	70-130	
ec-Butylbenzene	ug/kg	20	19.7	98	70-130	
Styrene	ug/kg	20	18 0	90	70-130	
etrachloroethene	ug/kg	20	19.9	99	70-130	
oluene	u g/kg	20	20.1	100	70-130	
OTAL BTEX	ug/kg		119			
rans-1,2-Dichloroethene	ug/kg	20	17.5	88	70-130	
rans-1,3-Dichloropropene	ug/kg	20	16.4	82	70-130	
Trichloroethene	ug/kg	20	20 4	102	70-130	
/inyl chloride	ug/kg	20	20.7	104	70-130	
(ylene (Totai)	ug/kg	60	58.9	98	70-130	
,2-Dichloroethane-d4 (S)	%			107	70-130	
-Bromofluorobenzene (S)	%			98	70-130	
Toluene-d8 (S)	%			95	70-130	

Date. 06/11/2010 05:17 PM

REPORT OF LABORATORY ANALYSIS

Page 48 of 54

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CABOT-EPA 006924



QUALITY CONTROL DATA

Project

2H/4H

Pace Project No.: 3027040

QC Batch. MSV/5728 Analysis Method:

EPA 8260

QC Batch Method EPA 8260 Analysis Description:

8260 MSV

Associated Lab Samples. 3027040003, 3027040004

METHOD BLANK: 166388

Matrix: Water

Associated Lab Samples. 3027040003, 3027040004

		Blank	Reporting		
Parameter	Units	Result	Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L		1.0	05/04/10 17.46	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	05/04/10 17:46	
1,1,2-Trichloroethane	ug/L	ND	1.0	05/04/10 17:46	
1,1-Dichloroethane	ug/L	ND	1.0	05/04/10 17:46	
1,1-Dichloroethene	ug/L	ND	1.0	05/04/10 17:46	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	05/04/10 17:46	
1,2,4-Trimethylbenzene	ug/L	ND	10	05/04/10 17:46	
1,2-Dichlorobenzene	ug/L	ND	1.0	05/04/10 17:46	
1,2-Dichloroethane	ug/L	ND	1.0	05/04/10 17:46	
1,2-Dichloropropane	ug/L	ND	1.0	05/04/10 17:46	
1,3,5-Trimethylbenzene	ug/L	ND	1.0	05/04/10 17:46	
1,3-Dichlorobenzene	ug/L	ND	1.0	05/04/10 17:46	
1,4-Dichlorobenzene	ug/L	ND	10	05/04/10 17:46	
2-Butanone (MEK)	ug/L	ND	10.0	05/04/10 17:46	
2-Hexanone	ug/L	ND	10 0	05/04/10 17:46	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	10.0	05/04/10 17:46	
Acetone	ug/L	ND	10.0	05/04/10 17:46	
Benzene	ug/L	ND	1.0	05/04/10 17:46	
Bromochloromethane	ug/L	ND	10	05/04/10 17:46	
Bromodichloromethane	ug/L	ND	10	05/04/10 17:46	
Bromoform	ug/L	ND	1.0	05/04/10 17:46	
Bromomethane	u g/L	ND	1.0	05/04/10 17:46	
Carbon disulfide	ug/L	ND	1.0	05/04/10 17.46	
Carbon tetrachloride	ug/L	ND	1.0	05/04/10 17:46	
Chlorobenzene	ug/L	ND	1.0	05/04/10 17:46	
Chloroethane	ug/L	ND	1.0	05/04/10 17·46	
Chloroform	ug/L	ND	1.0	05/04/10 17:46	
Chloromethane	ug/L	ND	1.0	05/04/10 17:46	
cis-1,2-Dichloroethene	ug/L	ND	1.0	05/04/10 17:46	
cis-1,3-Dichloropropene	ug/L	ND	1.0	05/04/10 17.46	
Dibromochloromethane	ug/L	ND	1.0	05/04/10 17:46	
Ethylbenzene	ug/L	ND	1.0	05/04/10 17:46	
Isopropylbenzene (Cumene)	u g/L	ND	1.0	05/04/10 17:46	
m&p-Xylene	ug/L	ND	2.0	05/04/10 17.46	
Methyl-tert-butyl ether	ug/L	ND	1.0	05/04/10 17:46	
Methylene Chloride	ug/L	ND	1.0	05/04/10 17:46	
n-Butylbenzene	ug/L	ND	1.0	05/04/10 17:46	
n-Propylbenzene	ug/L	ND	1.0		
Naphthalene	ug/L	ND	20	05/04/10 17:46	
o-Xylene	ug/L	ND	1.0		
p-Isopropyltoluene	ug/L	ND	1.0		
sec-Butylbenzene	ug/L	ND	1.0		
Styrene	ug/L	ND	1.0	05/04/10 17:46	

Date: 06/11/2010 05:17 PM

REPORT OF LABORATORY ANALYSIS

Page 49 of 54

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CABOT-EPA 006925



QUALITY CONTROL DATA

Project:

2H/4H

Pace Project No.:

3027040

METHOD BLANK: 166388 Matrix: Water

Associated Lab Samples: 302	7040003, 3027040004	Blank	Reporting		
Parameter	Units	Result	Limit	Analyzed	Qualifiers
Tetrachloroethene	ug/L	ND	1.0	05/04/10 17:46	
Toluene	ug/L	ND	10	05/04/10 17:46	
trans-1,2-Dichloroethene	ug/L	ND	1.0	05/04/10 17:46	
trans-1,3-Dichloropropene	ug/L	ND	1.0	05/04/10 17.46	
Trichloroethene	ug/L	ND	1.0	05/04/10 17.46	
Vinyl chloride	ug/L	ND	1.0	05/04/10 17:46	
Xylene (Total)	ug/L	ND	3.0	05/04/10 17:46	
1,2-Dichloroethane-d4 (S)	%	101	70-130	05/04/10 17:46	
4-Bromofluorobenzene (S)	%	98	70-130	05/04/10 17 46	
Toluene-d8 (S)	%	96	70-130	05/04/10 17.46	

LABORATORY CONTROL SAMPLE:	166389	Spike	LCS	LCS	% Rec	
Parameter	Units	Conc.	Result	% Rec	Limits	Qualifiers
,1,1-Trichloroethane	ug/L	20	20.7	103	70-130	
,1,2,2-Tetrachloroethane	ug/L	20	20.9	104	70-130	
1,2-Trichloroethane	ug/L	20	20.8	104	70-130	
I-Dichloroethane	ug/L	20	19.9	99	70-130	
-Dichtoroethene	ug/L	20	16 6	83	70-130	
,4-Trichlorobenzene	ug/L	20	21.7	109	70-130	
2,4-Trimethylbenzene	ug/L	20	20.8	104	70-130	
2-Dichlorobenzene	ug/L	20	20.8	104	70-130	
2-Dichloroethane	ug/L	20	20 4	102	70-130	
2-Dichloropropane	ug/L	20	20 4	102	70-130	
,5-Trimethylbenzene	ug/L	20	21.3	106	70-130	
-Dichlorobenzene	ug/L	20	20.7	104	70-130	
-Dichlorobenzene	ug/L	20	21.3	106	70-130	
utanone (MEK)	ug/L	20	24 2	121	70-130	
exanone	ug/L	20	24.2	121	70-130	
lethyl-2-pentanone (MIBK)	ug/L	20	23.9	119	70-130	
tone	ug/L	20	27.8	139	70-130 I	L1
nzene	ug/L	20	20.1	100	70-130	
omochloromethane	ug/L	20	18 6	93	70-130	
omodichloromethane	ug/L	20	19.6	98	70-130	
omoform	ug/L	20	18.1	90	70-130	
omomethane	ug/L	20	44.2	221	70-130 I	L1
rbon disulfide	ug/L	20	25.2	126	70-130	
rbon tetrachloride	ug/L	20	21 6	108	70-130	
orobenzene	ug/L	20	21.0	105	70-130	
loroethane	ug/L	20	20.5	102	70-130	
oroform	ug/L	20	20.4	102	70-130	
oromethane	ug/L	20	17.1	85	70-130	
1,2-Dichloroethene	ug/L	20	20 4	102	70-130	
-1,3-Dichloropropene	ug/L	20	19 6	98	70-130	
romochloromethane	ug/L	20	19.0	9 5	70-130	

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REPORT OF LABORATORY ANALYSIS

Page 50 of 54

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CABOT-EPA 006926



QUALITY CONTROL DATA

Project:

2H/4H

Pace Project No.: 3027040

3027040

LABORATORY CONTROL SAMPLE	E: 166389					
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Ethylbenzene	ug/L	20	21 0	105	70-130	
Isopropylbenzene (Cumene)	ug/L	20	22.1	111	70-130	
m&p-Xylene	ug/L	40	42 9	107	70-130	
Methyl-tert-butyl ether	ug/L	20	18.9	95	70-130	
Methylene Chloride	ug/ L	20	18.7	94	70-130	
n-Butylbenzene	ug/L	20	21.8	109	70-130	
n-Propylbenzene	ug/L	20	21.8	109	70-130	
Naphthalene	ug/L	20	22.9	114	70-130	
o-Xylene	ug/L	20	202	101	70-130	
p-Isopropyltoluene	ug/L	20	21.9	110	70-130	
sec-Butylbenzene	ug/L	20	21.8	109	70-130	
Styrene	ug/L	20	20 3	102	70-130	
Tetrachloroethene	ug/L	20	20.9	104	70-130	
Toluene	ug/L	20	20 5	103	70-130	
trans-1,2-Dichloroethene	ug/L	20	186	93	70-130	
trans-1,3-Dichloropropene	ug/L	20	18.6	93	70-130	
Trichloroethene	ug/L	20	19.9	100	70-130	
Vinyl chloride	ug/L	20	20.5	103	70-130	
Xylene (Total)	ug/L	60	63.1	105	70-130	
1,2-Dichloroethane-d4 (S)	%			100	70-130	
4-Bromofluorobenzene (S)	%			101	70-130	
Toluene-d8 (S)	%			100	70-130	

Date 06/11/2010 05:17 PM

REPORT OF LABORATORY ANALYSIS

Page 51 of 54

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CABOT-EPA 006927



QUALITY CONTROL DATA

Project:

2H/4H

Pace Project No.:

3027040

QC Batch:

PMST/1829

Analysis Method:

ASTM D2974-87

QC Batch Method:

ASTM D2974-87

Analysis Description:

Dry Weight/Percent Moisture

Associated Lab Samples. 3027040001, 3027040002

SAMPLE DUPLICATE: 166370

Parameter

Parameter

3027013001 Result

Dup Result

Qualifiers

Percent Moisture

Units %

19.7

18.1

SAMPLE DUPLICATE: 166371

3027013002 Result

Dup Result

RPD

RPD

Qualifiers

Percent Moisture

%

Units

22 2

20.6

Date. 06/11/2010 05.17 PM

REPORT OF LABORATORY ANALYSIS

Page 52 of 54

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CABOT-EPA 006928



QUALIFIERS

Project:

2H/4H

Pace Project No..

3027040

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is NELAP accredited. Contact your Pace PM for the current list of accredited analytes.

LABORATORIES

PASI-PA Pace Analytical Services - Greensburg

WORKORDER QUALIFIERS

WO 3027040

[1] This project was revised on 6/11/10 in order to Jflag dissolved Tl.

ANALYTE QUALIFIERS

D6	The relative percent difference (RPD) between the sample and sample duplicate exceeded laboratory control limits.
L0	Analyte recovery in the laboratory control sample (LCS) was outside QC limits
L1	Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results for this analyte in associated samples may be biased high.
M0	Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.
S0	Surrogate recovery outside laboratory control limits.
S1	Surrogate recovery outside laboratory control limits (confirmed by re-analysis).

Date: 06/11/2010 05:17 PM

REPORT OF LABORATORY ANALYSIS

Page 53 of 54

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CABOT-EPA 006929



QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project:

2H/4H

Pace Project No:

3027040

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
3027040001	2H/4H-R.PIT	EPA 3050	MPRP/3795	EPA 6010B	ICP/3407
3027040002	2H/4H-R.PIT	EPA 3050	MPRP/3795	EPA 6010B	ICP/3407
3027040003	2H/4H-SUMP	EPA 3005	MPRP/3796	EPA 6010B	ICP/3408
3027040004	2H/4H-H.D. WELL	EPA 3005	MPRP/3796	EPA 6010B	ICP/3408
3027040003	2H/4H-SUMP	EPA 3005	MPRP/3797	EPA 6010	ICP/3409
3027040004	2H/4H-H.D. WELL	EPA 3005	MPRP/3797	EPA 6010	ICP/3409
3027040003	2H/4H-SUMP	EPA 7470	MERP/1885	EPA 7470	MERC/1843
3027040004	2H/4H-H.D. WELL	EPA 7470	MERP/1885	EPA 7470	MERC/1843
3027040003	2H/4H-SUMP	EPA 7470	MERP/1884	EPA 7470	MERC/1842
3027040004	2H/4H-H.D. WELL	EPA 7470	MERP/1884	EPA 7470	MERC/1842
3027040001	2H/4H-R.PIT	EPA 7471	MERP/1881	EPA 7471	MERC/1839
3027040002	2H/4H-R.PIT	EPA 7471	MERP/1881	EPA 7471	MERC/1839
3027040001	2H/4H-R.PIT	EPA 3546	OEXT/4826	EPA 8270	MSSV/2092
3027040002	2H/4H-R.PIT	EPA 3546	OEXT/4826	EPA 8270	MSSV/2092
3027040003	2H/4H-SUMP	EPA 3510	OEXT/4827	EPA 8270	MSSV/2089
3027040004	2H/4H-H.D. WELL	EPA 3510	OEXT/4827	EPA 8270	MSSV/2089
3027040001 3027040002	2H/4H-R.PIT 2H/4H-R.PIT	EPA 8260 EPA 8260	MSV/5733 MSV/5733		
3027040003 3027040004	2H/4H-SUMP 2H/4H-H.D. WELL	EPA 8260 EPA 8260	MSV/5728 MSV/5728		
3027040001 3027040002	2H/4H-R.PIT 2H/4H-R.PIT	ASTM D2974-87 ASTM D2974-87	PMST/1829 PMST/1829		

Date: 06/11/2010 05:17 PM

REPORT OF LABORATORY ANALYSIS

Page 54 of 54

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CABOT-EPA 006930

Data File: \\30wintarget\chem\30msv1.i\1050310.b\5.b\10503075.d Report Date: 07-May-2010 07:40

Pace Analytical Services Inc.

TENTATIVELY IDENTIFIED COMPOUNDS

Client Name:

Lab Smp Id: 3027040001

Operator : JEW

Sample Location: Sample Matrix: SOIL Analysis Type: VOA Inj Date: 04-MAY-2010 18:05

Client SDG: 5.b

Sample Date: Sample Point: Date Received:

Level: LOW

Number TICs found: 12

CONCENTRATION UNITS: (ug/L or ug/KG) ug/kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 2. 3. 4. 2958-76-1 5. 6. 7. 8. 9. 10. 11.	Unknown Hydrocarbon Unknown Hydrocarbon Unknown Hydrocarbon Naphthalene, decahydro-2-me Unknown Hydrocarbon Unknown Hydrocarbon Unknown Hydrocarbon Unknown Cycloalkane Unknown Hydrocarbon Unknown Hydrocarbon Unknown Hydrocarbon Unknown Hydrocarbon Unknown Aromatic Hydrocarbo Unknown Hydrocarbon	6.625 7.106 7.343 7.422 7.520 7.593 7.641 7.775 7.812 7.909 7.952 8.280	156 407 356 172 275 217 331 248 254 230 145 138	J J J J J J J J J J

Data File: $\30$ wintarget\chem\30msv1.i\1050310.b\5.b\10503076.d Report Date: 07-May-2010 07:40

Pace Analytical Services Inc.

TENTATIVELY IDENTIFIED COMPOUNDS

Client SDG: 5.b

Client Name: Lab Smp Id: 3027040002 Operator : JEW

Sample Date: Sample Point:

Sample Location:

Date Received:

Level: LOW

Sample Matrix: SOIL Analysis Type: VOA Inj Date: 04-MAY-2010 18:29

CONCENTRATION UNITS: (ug/L or ug/KG) ug/kg

Number TICs found: 12

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 2. 3. 4. 5. 6. 7. 8. 9. 10.	Unknown Hydrocarbon Unknown Unknown Aromatic Hydrocarbo Unknown Aromatic Hydrocarbo Unknown Hydrocarbon Unknown Unknown Unknown Unknown Unknown Unknown Unknown Unknown Unknown Unknown Unknown Unknown Unknown Unknown Hydrocarbon Unknown Hydrocarbon	7.107 7.192 7.344 7.424 7.521 7.576 7.643 7.776 7.813 7.880 7.910 8.093	185 65.1 212 77.8 112 191 151 99.5 103 61.3 92.4 70.4	

Data File: \\30wintarget\chem\30msv1.i\\1050310.b\\5.b\\10503071.d Report Date: 07-May-2010 07:40

Pace Analytical Services Inc.

TENTATIVELY IDENTIFIED COMPOUNDS

Client Name:

Lab Smp Id: 166413

Operator : JEW

Sample Location: Sample Matrix: SOIL Analysis Type: VOA Inj Date: 04-MAY-2010 16:29

Client SDG: 5.b

Sample Date: Sample Point: Date Received:

Level: LOW

CONCENTRATION UNITS: Number TICs found: 2 (ug/L or ug/KG) ug/kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 2.	Column Bleed Column Bleed	6.547	10.7 4.62	_J

Data File: \\30wintarget\chem\30msv3.i\3100504.b\3.b\30504063.d Report Date: 05-May-2010 11:55

Pace Analytical Services, Inc

TENTATIVELY IDENTIFIED COMPOUNDS

Client Name: URS Corporation - PG04-MAY-2010 12:40
Lab Smp Id: 3027040003 Client Smp I
Operator: JAS Sample Date:

Client SDG: 30MSV3-Client SMP ID: 2H/4H-SUMP Sample Date: 01-MAY-2010

Sample Location:

Sample Point:

Date Received: 04-MAY-2010 12:40

Level: LOW

Sample Matrix: WATER
Analysis Type: VOA
Inj Date: 05-MAY-2010 01:11

Number TICs found: 0

CONCENTRATION UNITS: (ug/L or ug/KG) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
============		======		====

Data File: $\30wintarget\chem\30msv3.i\3100504.b\3.b\30504065.d$ Report Date: 05-May-2010 11:55

Pace Analytical Services, Inc

TENTATIVELY IDENTIFIED COMPOUNDS

Client Name: URS Corporation - PG04-MAY-2010 12:40 Client SDG: 30MSV3-Lab Smp Id: 3027040004 Client Smp ID: 2H/4H-H.D. Operator: JAS Sample Date: 01-MAY-2010

Sample Location:

Sample Point:

Date Received: 04-MAY-2010 12:40

Level: LOW

Sample Matrix: WATER
Analysis Type: VOA
Inj Date: 05-MAY-2010 01:37

Number TICs found: 0

CONCENTRATION UNITS: (ug/L or ug/KG) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
		=======		=====
ì				

CABOT-EPA 006935

DIM0228168 DIM0227454

Data File: \\30wintarget\chem\30msv3.i\3100504.b\3.b\30504029.d

Report Date: 05-May-2010 11:55

Pace Analytical Services, Inc

TENTATIVELY IDENTIFIED COMPOUNDS

Client Name:

Lab Smp Id: 166216

Operator : JAS Sample Location:

Sample Matrix: WATER Analysis Type: VOA

Inj Date: 04-MAY-2010 17:46

Client SDG: 30MSV3-3 Client Smp ID: MB

Sample Date: Sample Point:

Date Received:05-MAY-2010 08:01

Level: LOW

CONCENTRATION UNITS: (ug/L or ug/KG) ug/L

Number TICs found: 0

CAS NUMBER COMPOUND NAME RTEST. CONC. Q ========= -----======= =====

DIM0228169 DIM0227454

Section A Required Client Information: Required Project Information: Corryany URS CORP Report To: James - PLUTA QUESCAR. Com Attention: DAVID TSTA 1360456 REGULATORY AGENCY ACCIOSS: 501 Holipay DR. Corryany ORS CORP ANDY - Me CHALKO BURSCORP. Com ANDY - Me CHALKO BURSCORP. Com Project Name: P	Pace Analytical*						N-OF-															_				
Company URS CORP Address: 501 Holipay Dr. Copy to David Testa Ordescare. Company Name URS CORP REGULATORY AGENCY PCH PA 15220 AND Me CALLOD VRS CORP. Com Final Tames PINTA OURS OR COM Final Tames PINTA OURS OR COM Project Number: 39938634-00018 Section D Required Chart Irramation Matrix Codes Matrix Codes Required Chart Irramation Matrix Codes Matrix Codes Matrix Codes Matrix Codes Matrix Codes Required Chart Irramation Matrix Codes Matrix Codes Matrix Codes Matrix Codes Required Chart Irramation Matrix Codes Matrix Co	Section A	Section B							Sect	tion C	:											Pag	e :		of	
Address' 501 Hollpay Dr. Copy to David - Testa urscerf. com Company Name Urscerf Regulatory Agency Plant Da 15220 ANDY-Medal Roll of Regulatory Drinking water Drinking water Email of James Pinta Qurscerf Com There Outer Reference Ref									_		rmatro	n										厂		4 0	0011	~ ^
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Requested Due Date/TAT: 3 - DAT Project Number: 39938634 - 00018 Requested Analysis Filtered (Y/N) Saction D Required Citert Irramation MAIRIX - COCE 9 COLLECTED Proservatives COLLECTED Proservatives COLLECTED Proservatives COLLECTED CO	P977-503-4602 Fex:	roject Name	¥		2	14/4H			Pace	Project		7.	in	í	رو و	P.			Site Loc	ation				Τ		
Section D Matrix Codes COLLECTED Proservatives COLLECTED Proservatives	Requested Due Date/TAT:3 - DAY	Project Numb	ec 3 4	1978	134		18		Page	Profile	H.								ST	ATE:	l _			1		
Section D Required Ction I Information MATRIX 'COCKE Drinking Water DW Water WIT 8 A COLLECTED Proservatives T T T T T T T T T T T T T					H-V-		· · · · · · · · · · · · · · · · · · ·								T			ted A	nalysis	Filte	red (Y/I	¥)	Т			
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Pace Project No. / Lab I.U.			2 ω	DATE	TIME	DATE	TIME	65	-	131	111	1	2 2	20	-		┿	+	++	+-	-	\vdash	╬	Pac	e Project	10.7 Eas 1.0.
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ADDITIONAL COMMENTS RELINQUISHED BY / AFFILIATION DATE TIME ACCEPTED BY / AFFILIATION DATE TIME SAMPLE CONDITIONS	ADDITIONAL COMMENTS	R	ELINQUI	SHED BY	AFFILIATION		DATE		TI	ME	1_		AC	CEPTE	DBY	AFFILI	ATION	•	DAT	E	TIME			SAM	PLE CONDIT	IONS
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SAMPLER NAME AND SIGNATURE					SAMPLE	NAME AN	ID SIGNA	TURE	:													\dashv			<u>ā</u>	Tig.
ORIGINAL SAMPLER NAME AND SIGNATURE PRINT Name of SAMPLER: AMES AWARA ORIGINAL PRINT Name of SAMPLER: PRINT Name of SAMPLER: PRINT Name of SAMPLER: ORIGINAL	ORIGII	NAL				PRINT Nam	e of SAMP	LER:		T	Am	e/	5	Æ	(N	ΤA		J.	12			\dashv), u d	(Y/N)	stody d Coo	les Int

DIM0227454

		Color
	Sample Condition Up	pon Receipt
Pace Analytical Client Nar	ma: 1165	Project # 3027040
Cherkinal	ne. <u> </u>	110ject # <u>302 4090</u>
Courier: Fed Ex UPS USPS C	Client Commercial	Pace Other Optional
Tracking #:		Proj. Due Date:
Custody Seal on Cooler/Box Present:	yes 🗌 no Seals inta	act yes no
Packing Material: Bubble Wrap	bble Bags 🔲 None 🖒	other foam
Thermometer Used 3 (5		Blue None Samples on Ice, cooling process has begun
Cooler Temperature 5.2	Biological Tissue is F	Prozen: Yes No Date and Initials of person examining contents: 5 - 4 - 10 - 2
Temp should be above freezing to 6°C	Co	omments:
Chain of Custody Present:	□Yes □NO □N/A 1.	
Chain of Custody Filled Out:	OPES □NO □N/A 2.	
Chain of Custody Relinquished:	(Inges □No □N/A 3.	
Sampler Name & Signature on COC:	(Des ONo ON/A 4	
Samples Arrived within Hold Time:	Dxes □No □N/A 5.	
Short Hold Time Analysis (<72hr):	☐Yes (☑N ☐N/A 6.	
Rush Turn Around Time Requested:	ONES □NO □N/A 7.	3 day
Sufficient Volume:	(Des DNo DN/A 8.	
Correct Containers Used:	□Yes (☑N) □N/A 9.	
-Pace Containers Used:	Øyes □No □N/A	
Containers Intact:	(D) es (DNO (DNVA 10	
Filtered volume received for Dissolved tests	□Yes □Nb □N/A 11	
Sample Labels match COC.	es TNo DN/A 12	<u> </u>
-Includes date/time/ID/Analysis Matrix: All containers needing preservation have been checked		
was containers meeding pressivation may a seem ensured	TYPES ONO ON/A 13	3.
All containers needing preservation are found to be compliance with EPA recommendation.	IN DYES DNO DN/A	
· ~		itial witten Lot # of added
exceptions: (VO), colliform, TOC, O&G, WI-DRO (water)		ompleted preservative
Samples checked for dechlorination:	□Yes □No [ŪN/Å 14	
Headspace in VOA Vials (>6mm):	□Yes (□No □N/A 15	
Trip Blank Present.	Oyes ON ONA 16	5.
Trip Blank Custody Seals Present	□Yes □No □NA	
Pace Trip Blank Lot # (if purchased):		
Client Notification/ Resolution:		Field Data Required? Y / N
Person Contacted:	Date/Tin	_
Comments/ Resolution: 3an plc 00	1 suppose to be	e solid but agreeous bottles use
Sample out is sol	e to be Ague	us but solid bottles used, sample
ouz is soid.	C 10 DC. Frague	AS PAT SOIL & POINTES USES (SEPT.
1000000		
		= 5/4/10
Project Manager Review:		Date:
Note: Whenever there is a discrepancy affecting N Certification Office (i.e. out of hold, incorrect preser		es, a copy of this form will be sent to the North Carolina DEHNR intainers)

CABOT-EPA 006938

F-ALLC003-4 23Feb2010



June 15, 2010

Mr. Jim Pinta URS Corporation Foster Plaza 4 501 Holiday Drive, Suite 300 Pittsburgh, PA 15220

RE: Project: 2H/4H 39938634.00017

Pace Project No.: 3027322

Dear Mr. Pinta:

Enclosed are the analytical results for sample(s) received by the laboratory on May 08, 2010. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Timothy Reed

timothy.reed@pacelabs.com

Project Manager

Enclosures

REPORT OF LABORATORY ANALYSIS

Page 1 of 107

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CABOT-EPA 006939



CERTIFICATIONS

Project.

2H/4H 39938634.00017

Pace Project No.:

3027322

Pennsylvania Certification IDs 1638 Roseytown Road Suites 2,3&4 Greensburg, PA

15601

Wyoming Certification #: 8TMS-Q Wisconsin/PADEP Certification West Virginia Certification #: 143 Washington Certification #: C1941 Virginia Certification #: 00112 Virgin Island/PADEP Certification Utah/NELAC Certification #: ANTE
Texas/NELAC Certification #: T104704188-09 TX Tennessee Certification #: TN2867

Tennessee Certification #: TN2867
South Dakota Certification
Puerto Rico Certification #: PA01457
Pennsylvania/NELAC Certification #: 65-00282
Oregon/NELAC Certification #: PA200002
North Carolina Certification #: 42706
New York/NELAC Certification #: 10888
New Mexico Certification
New Jersey/NELAC Certification #: PA 051
New Hampshire/NELAC Certification #: 2976
Nevada Certification
Montana Certification #: Cert 0082
Missouri Certification #: 235

Missouri Certification #: 235

Michigan/PADEP Certification

Massachusetts Certification #: M-PA1457
Maryland Certification #: 308
Maine Certification #: PA0091
Louisiana/NELAC Certification #: LA080002
Louisiana/NELAC Certification #: 4086 Kentucky Certification #: 90133 Kansas/NELAC Certification #: E-10358

Illinois/PADEP Certification

Idaho Certification
Hawaii/PADEP Certification
Guarn/PADEP Certification
Florida/NELAC Certification #: E87683

Delaware Certification

Connecticut Certification #: PH 0694 Colorado Certification

California/NELAC Certification #. 04222CA

Arkansas Certification

Arizona Certification # AZ0734 Alabama Certification #: 41590

REPORT OF LABORATORY ANALYSIS

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Page 2 of 107

CABOT-EPA 006940

DIM0227454

DIM0228173



SAMPLE ANALYTE COUNT

Project:

2H/4H 39938634.00017

Pace Project No.: 3027322

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
3027322001	DW	EPA 6010B	стѕ	24	PASI-PA
		EPA 6010	CTS	24	PASI-PA
		EPA 7470	CTS	1	PASI-PA
		EPA 7470	CTS	1	PASI-PA
		EPA 8260	JAS	54	PASI-PA
		SM 2540C	JMC	1	PASI-PA
		SM 2540D	JMC	1	PASI-PA
		SM 5540C	DLD	1	PASI-PA
		EPA 9034	DLD	1	PASI-PA
		SM 4500-CI-E	DJT	1	PASI-PA
3027322002	HD Well	EPA 6010B	CTS	24	PASI-PA
		EPA 6010	CTS, SAB	24	PASI-PA
		EPA 7470	CTS	1	PASI-PA
		EPA 7470	CTS	1	PASI-PA
		EPA 8260	JAS	54	PASI-PA
		SM 2540C	JMC	1	PASI-PA
		SM 2540D	JMC	1	PASI-PA
		SM 5540C	DLD	1	PASI-PA
		EPA 9034	DLD	1	PASI-PA
		SM 4500-CI-E	DJT	1	PASI-PA
3027322003	DG Sump	EPA 6010B	CTS	24	PASI-PA
		EPA 6010	CTS	24	PASI-PA
		EPA 7470	CTS	1	PASI-PA
		EPA 7470	CTS	1	PASI-PA
		EPA 8260	JAS	54	PASI-PA
		SM 2540C	JMC	1	PASI-PA
		SM 2540D	JMC	1	PASI-PA
		SM 5540C	DLD	1	PASI-PA
		EPA 9034	DLD	1	PASI-PA
		SM 4500-CI-E	DJT	1	PASI-PA
3027322004	UG Sump	EPA 6010B	CTS	24	PASI-PA
		EPA 6010	CTS	24	PASI-PA
		EPA 7470	стѕ	1	PASI-PA
		EPA 7470	стѕ	1	PASI-PA
		EPA 8260	JAS	54	PASI-PA
		SM 2540C	JMC	1	PASI-PA
		SM 2540D	JMC	1	PASI-PA

REPORT OF LABORATORY ANALYSIS

Page 3 of 107

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CABOT-EPA 006941



SAMPLE ANALYTE COUNT

Project:

2H/4H 39938634.00017

Pace Project No.: 3027322

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		SM 5540C	DLD	1	PASI-PA
		EPA 9034	DLD	1	PASI-PA
	·	SM 4500-CI-E	DJT	1	PASI-PA
3027322005	-DG Sump-Sed	EPA 6010B	CTS	24	PASI-PA
		EPA 7471	CTS	1	PASI-PA
		EPA 8260	JEW	5 5	PASI-PA
		ASTM D2974-87	DSC	1	PASI-PA
		EPA 9034	DLD	1	PASI-PA
3027322006	-DG Sump-Sed ASTM	SM 5540C	DLD	1	PASI-PA
		SM 4500-CI-E	DJT	1	PASI-PA
027322007	UG Sump-Sed	EPA 6010B	CTS	24	PASI-PA
		EPA 7471	CTS	1	PASI-PA
		EPA 8260	JÉW	55	PASI-PA
		ASTM D2974-87	DSC	1	PASI-PA
		EPA 9034	DLD	1	PASI-PA
027322008	-UG Sump-Sed ASTM	SM 5540C	DLD	1	PASI-PA
		SM 4500-CI-E	DJT	1	PASI-PA
027322009	Upstream	EPA 6010B	CTS	24	PASI-PA
	_ ·	EPA 6010	CTS	24	PASI-PA
		EPA 7470	CTS	1	PASI-PA
		EPA 7470	CTS	1	PASI-PA
		EPA 8260	JAS	54	PASI-PA
		SM 2540C	JMC	1	PASI-PA
		SM 2540D	JMC	1	PASI-PA
		SM 5540C	DLD	1	PASI-PA
		EPA 9034	DLD	1	PASI-PA
		SM 4500-CI-E	DJT	1	PASI-PA
3027322010	Downstream	EPA 6010B	CTS	24	PASI-PA
	_	EPA 6010	стѕ	24	PASI-PA
		EPA 7470	CTS	1	PASI-PA
		EPA 7470	CTS	1	PASI-PA
		EPA 8260	JAS	54	PASI-PA
		SM 2540C	JMC	1	PASI-PA
		SM 2540D	JMC	1	PASI-PA
		SM 5540C	DLD	1	PASI-PA
		EPA 9034	DLD	1	PASI-PA
		SM 4500-CI-E	DJT	1	PASI-PA

REPORT OF LABORATORY ANALYSIS

Page 4 of 107

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CABOT-EPA 006942



SAMPLE ANALYTE COUNT

Project:

2H/4H 39938634 00017 3027322

Pace Project No.:

SR29E-CUL EPA 5010B CTS 24 PASI-PA	Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
EPA 7470 CTS	3027322011	SR29E-CUL	EPA 6010B	стѕ	24	PASI-PA
EPA 7470 CTS		_	EPA 6010	CTS	24	PASI-PA
EPA 6260			EPA 7470	CTS	1	PASI-PA
SM 2540C			EPA 7470	CTS	1	PASI-PA
SM 2540D JMC 1 PASI-PA			EPA 8260	JAS	54	PASI-PA
SM 5540C DLD 1 PASI-PA			SM 2540C	JMC	1	PASI-PA
EPA 9034 DLD			SM 2540D	JMC	1	PASI-PA
SM 4500-CI-E DJT 1 PASI-PA			SM 5540C	DLD	1	PASI-PA
SR29E-CUL-Sed EPA 6010B CTS 24 PASI-PA			EPA 9034	DLD	1	PASI-PA
EPA 7471 CTS 1 PASI-PA EPA 8260 JEW 55 PASI-PA ASTM D2974-87 DSC 1 PASI-PA EPA 9034 DLD 1 PASI-PA .027322013 SR29E-CUL-Sed ASTM SM 5540C DLD 1 PASI-PA 3027322014 ■Upstream-Sed EPA 6010B CTS 24 PASI-PA EPA 8260 JEW 55 PASI-PA EPA 8260 JEW 55 PASI-PA EPA 9034 DLD 1 PASI-PA EPA 8260 JEW 55 PASI-PA EPA 9034 DLD 1 PASI-PA EPA 9034 DLD 1 PASI-PA EPA 9034 DLD 1 PASI-PA SM 5540C DLD 1 PASI-PA EPA 9034 DLD 1 PASI-PA SM 5540C DLD 1 PASI-PA SM 4500-CI-E DJT 1 PASI-PA EPA 7471 CTS 24 PASI-PA EPA 6010B CTS 24 PASI-PA SM 4500-CI-E DJT 1 PASI-PA EPA 8260 JEW 55 PASI-PA EPA 8260 JEW 55 PASI-PA ASTM D2974-87 DSC 1 PASI-PA EPA 9034 DLD 1 PASI-PA EPA 8260 JEW 55 PASI-PA EPA 9034 DLD 1 PASI-PA EPA 8260 JEW 55 PASI-PA 3027322018 Field EPA 6010B CTS 24 PASI-PA EPA 7471 CTS 1 PASI-PA EPA 9034 DLD 1 PASI-PA EPA 9034 DLD 1 PASI-PA EPA 9034 DLD 1 PASI-PA EPA 9034 DLD 1 PASI-PA EPA 9034 DLD 1 PASI-PA EPA 9034 DLD 1 PASI-PA EPA 9034 DLD 1 PASI-PA EPA 9034 DLD 1 PASI-PA EPA 9034 DLD 1 PASI-PA EPA 9034 DLD 1 PASI-PA EPA 9034 DLD 1 PASI-PA EPA 9034 DLD 1 PASI-PA EPA 9034			SM 4500-CI-E	DJT	1	PASI-PA
PASI-PA PASI	3027322012	SR29E-CUL-Sed	EPA 6010B	CTS	24	PASI-PA
ASTM D2974-87 DSC 1 PASI-PA EPA 9034 DLD 1 PASI-PA EPA 9034 DLD 1 PASI-PA .0027322013 SR29E-CUL-Sed ASTM SM 5540C DLD 1 PASI-PA .0027322014 Upstream-Sed EPA 6010B CTS 24 PASI-PA EPA 2660 JEW 55 PASI-PA EPA 9034 DLD 1 PASI-PA .0027322015 Upstream-Sed ASTM SM 5540C DLD 1 PASI-PA .0027322016 Downstream-Sed ASTM SM 5540C DLD 1 PASI-PA .0027322016 Downstream-Sed ASTM SM 5540C DLD 1 PASI-PA .0027322016 Downstream-Sed ASTM EPA 6010B CTS 24 PASI-PA .0027322016 Downstream-Sed ASTM EPA 6010B CTS 24 PASI-PA .0027322017 Downstream-Sed ASTM SM 5540C DLD 1 PASI-PA .0027322017 Downstream-Sed ASTM SM 5540C DLD 1 PASI-PA .0027322017 Downstream-Sed ASTM SM 5540C DLD 1 PASI-PA .0027322017 Downstream-Sed ASTM SM 5540C DLD 1 PASI-PA .0027322017 Downstream-Sed ASTM SM 5540C DLD 1 PASI-PA .0027322018 Field EPA 6010B CTS 24 PASI-PA .0027322018 Field EPA 6010B CTS 24 PASI-PA .0027322017 Downstream-Sed ASTM SM 5540C DLD 1 PASI-PA .0027322018 Field EPA 6010B CTS 24 PASI-PA .0027322018 Field EPA 6010B CTS 24 PASI-PA .0027322018 Field EPA 6010B CTS 24 PASI-PA .0027322018 Field EPA 6010B CTS 24 PASI-PA .0027322018 P			EPA 7471	CTS	1	PASI-PA
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1			ASTM D2974-87	DSC	1	PASI-PA
SM 4500-CI-E DJT 1 PASI-PA			EPA 9034	DLD	1	PASI-PA
	J027322013	SR29E-CUL-Sed ASTM	SM 5540C	DLD	1	PASI-PA
EPA 7471 CTS 1 PASI-PA		_	SM 4500-CI-E	DJT	1	PASI-PA
BPA 8260 JEW 55 PASI-PA	3027322014	Upstream-Sed	EPA 6010B	стѕ	24	PASI-PA
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EPA 9034 DLD 1 PASI-PA			EPA 8260	JEW	55	PASI-PA
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BPA 9034 DLD 1 PASI-PA 3027322017 Downstream-Sed ASTM SM 5540C DLD 1 PASI-PA SM 4500-CI-E DJT 1 PASI-PA 3027322018 Field EPA 6010B CTS 24 PASI-PA EPA 7471 CTS 1 PASI-PA EPA 8260 JEW 55 PASI-PA ASTM D2974-87 DSC 1 PASI-PA EPA 9034 DLD 1 PASI-PA			EPA 8260	JEW	55	PASI-PA
3027322017 Downstream-Sed ASTM SM 5540C DLD 1 PASI-PA SM 4500-CI-E DJT 1 PASI-PA 3027322018 Field EPA 6010B CTS 24 PASI-PA EPA 7471 CTS 1 PASI-PA EPA 8260 JEW 55 PASI-PA ASTM D2974-87 DSC 1 PASI-PA EPA 9034 DLD 1 PASI-PA			ASTM D2974-87	DSC	1	PASI-PA
SM 4500-Cl-E DJT 1 PASI-PA 3027322018 Field EPA 6010B CTS 24 PASI-PA EPA 7471 CTS 1 PASI-PA EPA 8260 JEW 55 PASI-PA ASTM D2974-87 DSC 1 PASI-PA EPA 9034 DLD 1 PASI-PA			EPA 9034	DLD	1	PASI-PA
3027322018 Field EPA 6010B CTS 24 PASI-PA EPA 7471 CTS 1 PASI-PA EPA 8260 JEW 55 PASI-PA ASTM D2974-87 DSC 1 PASI-PA EPA 9034 DLD 1 PASI-PA	3027322017	Downstream-Sed ASTM	SM 5540C	DLD	1	PASI-PA
EPA 7471 CTS 1 PASI-PA EPA 8260 JEW 55 PASI-PA ASTM D2974-87 DSC 1 PASI-PA EPA 9034 DLD 1 PASI-PA		_	SM 4500-CI-E	DJT	1	PASI-PA
EPA 8260 JEW 55 PASI-PA ASTM D2974-87 DSC 1 PASI-PA EPA 9034 DLD 1 PASI-PA	3027322018	Field	EPA 6010B	стѕ	24	PASI-PA
ASTM D2974-87 DSC 1 PASI-PA EPA 9034 DLD 1 PASI-PA		_	EPA 7471	стѕ	1	PASI-PA
EPA 9034 DLD 1 PASI-PA			EPA 8260	JEW	55	PASI-PA
			ASTM D2974-87	DSC	1	PASI-PA
3027322019			EPA 9034	DLD	1	PASI-PA
	3027322019	Field ASTM	SM 5540C	DLD	1	PASI-PA

REPORT OF LABORATORY ANALYSIS

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CABOT-EPA 006943

Page 5 of 107



Pace Analytical Services, Inc. 1638 Roseytown Road - Suites 2,3,4

Greensburg, PA 15601 (724)850-5600

SAMPLE ANALYTE COUNT

Project.

2H/4H 39938634.00017

Pace Project No: 3027322

ab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
-		SM 4500-CI-E	DJT	1	PASI-PA
027322020	DW	EPA 6010B	CTS	24	PASI-PA
		EPA 6010	CTS	24	PASI-PA
		EPA 7470	CTS	1	PASI-PA
		EPA 7470	CTS	1	PASI-PA
		EPA 8260	JAS	54	PASI-PA
		SM 2540C	JMC	1	PASI-PA
		SM 2540D	JMC	1	PASI-PA
		SM 5540C	DLD	1	PASI-PA
		EPA 9034	DLD	1	PASI-PA
		SM 4500-CI-E	DJT	1	PASI-PA
027322021	DW	EPA 6010B	CTS	24	PASI-PA
	_	EPA 6010	CTS	24	PASI-PA
		EPA 7470	CTS	1	PASI-PA
		EPA 7470	CTS	1	PASI-PA
		EPA 8260	JAS	54	PASI-PA
		SM 2540C	JMC	1	PASI-PA
		SM 2540D	JMC	1	PASI-PA
		SM 5540C	DLD	1	PASI-PA
		EPA 9034	DLD	1	PASI-PA
		SM 4500-CI-E	DJT	1	PASI-PA
027322022	HD Well	EPA 6010B	CTS	24	PASI-PA
		EPA 6010	стѕ	24	PASI-PA
		EPA 7470	стѕ	1	PASI-PA
		EPA 7470	CTS	1	PASI-PA
		EPA 8260	JAS	54	PASI-PA
		SM 2540C	JMC	1	PASI-PA
		SM 2540D	JMC	1	PASI-PA
		SM 5540C	DLD	1	PASI-PA
		EPA 9034	DLD	1	PASI-PA
		SM 4500-CI-E	DJT	1	PASI-PA
27322023	HD Well	EPA 6010B	стѕ	24	PASI-PA
		EPA 6010	стѕ	24	PASI-PA
		EPA 7470	стѕ	1	PASI-PA
		EPA 7470	стѕ	1	PASI-PA
		EPA 8260	JAS	54	PASI-PA
		SM 2540C	JMC	1	PASI-PA

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CABOT-EPA 006944

Page 6 of 107



SAMPLE ANALYTE COUNT

Project:

2H/4H 39938634.00017

Pace Project No: 3027322

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		SM 2540D	JMC	1	PASI-PA
		SM 5540C	DLD	1	PASI-PA
		EPA 9034	DLD	1	PASI-PA
		SM 4500-CI-E	DJT	1	PASI-PA
3027322024	P Tank	EPA 6010B	CTS	24	PASI-PA
		EPA 6010	CTS	24	PASI-PA
		EPA 7470	CTS	1	PASI-PA
		EPA 7470	CTS	1	PASI-PA
		EPA 8260	JAS	54	PASI-PA
		SM 2540C	JMC	1	PASI-PA
		SM 2540D	JMC	1	PASI-PA
		SM 5540C	DLD	1	PASI-PA
		EPA 9034	DLD	1	PASI-PA
		SM 4500-CI-E	DJT	1	PASI-PA
2027322025	HD Sump-Sed	EPA 6010B	CTS	24	PASI-PA
		EPA 7471	CTS	1	PASI-PA
		EPA 8260	JEW	55	PASI-PA
		ASTM D2974-87	DSC	1	PASI-PA
		EPA 9034	DLD	1	PASI-PA
3027322026	HD Sump-Sed ASTM	SM 5540C	DLD	1	PASI-PA
		SM 4500-CI-E	DJT	1	PASI-PA
3027322027	HD-Sed	EPA 6010B	CTS	24	PASI-PA
		EPA 7471	CTS	1	PASI-PA
		EPA 8260	JEW	55	PASI-PA
		ASTM D2974-87	DSC	1	PASI-PA
		EPA 9034	DLD	1	PASI-PA
3027322028	HD-Sed ASTM	SM 5540C	DLD	1	PASI-PA
		SM 4500-CI-E	ÐJT	1	PASI-PA
3027322029	TB-01	EPA 8260	JAS	54	PASI-PA

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Page 7 of 107

CABOT-EPA 006945



ANALYTICAL RESULTS

Project: 2H/4H 39938634.00017

Pace Project No.: 3027322

Sample: DW	Lab ID: 3027	322001	Collected:	05/06/1	0 12:30	Received:	05/08/10 09:07	Matrix: Water	
Parameters	Results	Units	Repor	t Limit	DF	Prepared	Analyzed	CAS No.	Qua
6010 MET ICP	Analytical Meth	od: EPA 6	010B Prepar	ation Me	thod: EF	A 3005			
Aluminum	ND ug/	L		50.0	1	05/10/10 13:0	00 05/13/10 11:4	7 7429-90-5	
Antimony	ND ug/	L		5.0	1	05/10/10 13:0	00 05/13/10 11:4	7 7440-36-0	
Arsenic	ND ug/	L		5.0	1	05/10/10 13:0	00 05/13/10 11:4	7 7440-38-2	
Barium	106 ug/	L		10.0	1	05/10/10 13:0	00 05/13/10 11:4	7 7440-39-3	
Beryllium	ND ug/	L		1.0	1	05/10/10 13:0	00 05/13/10 11:4	7 7440-41-7	
Boron	ND ug/	L		50.0	1	05/10/10 13:0	00 05/13/10 11:4	7 7440-42-8	
Cadmium	ND ug/	L		1.0	1	05/10/10 13:0	00 05/13/10 11:4	7 7440-43-9	
Calcium	29400 ug/	L		1000	1	05/10/10 13:0	0 05/13/10 11:4	7 7440-70-2	
Chromium	ND ug/			5.0	1		00 05/13/10 11:4		
Cobalt	ND ug/			5.0	1		00 05/13/10 11:4		
Copper	ND ug/			50	1	05/10/10 13:0	00 05/13/10 11:4	7 7440-50-8	
ron	ND ug/			50.0	1		0 05/13/10 11:4		
_ead	ND ug/			2.0	1		00 05/13/10 11:4		
Magnesium	8090 ug/			200	1		00 05/13/10 11:4		
Manganese	ND ug/			5.0	1		00 05/13/10 11:4		
Molybdenum	37.0 ug/			20.0	1		00 05/13/10 11:4		
Nickel	ND ug/			10.0	1		00 05/13/10 11:4		
Potassium	1190 ug/			500	1		00 05/13/10 11:4		
Selenium	ND ug/			5.0	1		00 05/13/10 11:4		
Silver	ND ug/			1.0	1		00 05/13/10 11:4		
Sodium	7490 ug/			1000	1		00 05/13/10 11:4		
Thallium	ND ug/			10.0	1		00 05/13/10 11:4		
Vanadium	_			5.0	1		00 05/13/10 11:4		
Zinc	ND ug/			10.0	1		00 05/13/10 11:4 00 05/13/10 11:4		
LING	ND ug/	L		10.0	•	03/10/10 13.0	30 03/13/10 11.4	/ /440-00-0	
6010 MET ICP, Lab Filtered	Analytical Meth	od: EPA 6	010 Prepara	tion Meth	nod: EPA	3005			
Aluminum, Dissolved	ND ug/	Ľ		50.0	1	05/11/10 14:2	24 05/12/10 12:0	3 7429-90-5	
Antimony, Dissolved	ND ug/	L		5.0	1	05/11/10 14:2	24 05/12/10 12:0	3 7440-36-0	
Arsenic, Dissolved	ND ug/	L,		5.0	1	05/11/10 14:2	24 05/12/10 12:0	3 7440-38-2	
Barium, Dissolved	98.2 ug/	L		10.0	1	05/11/10 14:2	24 05/12/10 12:0	3 7440-39-3	
Beryllium, Dissolved	ND ug/	L		1.0	1	05/11/10 14:2	24 05/12/10 12:0	3 7440-41-7	
Boron, Dissolved	ND ug/	'L		50.0	1	05/11/10 14:2	24 05/12/10 12:0	3 7440-42-8	
Cadmium, Dissolved	ND ug/	'L		1.0	1	05/11/10 14:2	24 05/12/10 12:0	3 7440-43-9	
Calcium, Dissolved	27900 ug/	L		1000	1	05/11/10 14:2	24 05/12/10 12:0	3 7440-70-2	
Chromium, Dissolved	ND ug/			5.0	1	05/11/10 14.2	24 05/12/10 12:0	3 7440-47-3	
Cobalt, Dissolved	ND ug/			5.0	1	05/11/10 14:2	24 05/12/10 12:0	3 7440-48-4	
Copper, Dissolved	ND ug/			5.0	1		24 05/12/10 12.0		
Iron, Dissolved	ND ug/			50.0	1		24 05/12/10 12:0		
Lead, Dissolved	2.9 ug/			2.0	1		24 05/12/10 12:0		
Magnesium, Dissolved	7660 ug/			200	1		24 05/12/10 12:0		
Manganese, Dissolved	5.4 ug/			5.0	1		24 05/12/10 12:0		
Molybdenum, Dissolved	ND ug/			20 0	1		24 05/12/10 12:0		
Nickel, Dissolved	ND ug/			10.0	1		24 05/12/10 12:0		
Potassium, Dissolved	1110 ug/			500	1		24 05/12/10 12:0		
Selenium, Dissolved	ND ug/			5.0	1		24 05/12/10 12:0		
Silver, Dissolved	ND ug/			1.0	1		24 05/12/10 12:0		

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REPORT OF LABORATORY ANALYSIS

Page 8 of 107

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CABOT-EPA 006946



ANALYTICAL RESULTS

Project: 2H/4H 39938634.00017

Pace Project No.: 3027322

Sample: DW	Lab ID: 3027322001	Collected: 05/06/1	0 12:30	Received: 05	5/08/10 09:07 N	fatrix: Water	
Parameters	Results Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qua
6010 MET ICP, Lab Filtered	Analytical Method: EPA	6010 Preparation Meth	nod: EP/	A 3005			
Thallium, Dissolved	ND ug/L	10.0	1	05/11/10 14:24	05/12/10 12:03	7440-28-0	
Vanadium, Dissolved	ND ug/L	5.0	1	05/11/10 14:24	05/12/10 12:03	7440-62-2	
Zinc, Dissolved	ND ug/L	10.0	1	05/11/10 14:24	05/12/10 12.03	7440-66-6	
7470 Mercury	Analytical Method: EPA	7470 Preparation Met	hod [.] EP	A 7470			
Mercury	ND ug/L	0.20	1	05/11/10 11:36	05/12/10 07:27	7439-97-6	
7470 Mercury, Lab Filtered	Analytical Method: EPA	7470 Preparation Met	hod: EP	A 7470			
Mercury, Dissolved	ND ug/L	0.20	1	05/11/10 11:37	05/12/10 08:16	7439-97-6	
8260 MSV	Analytical Method. EPA	3260					
1,1,1-Trichloroethane	ND ug/L	1.0	1		05/10/10 17:19	71-55-6	
1,1,2,2-Tetrachloroethane	ND ug/L	1.0	1		05/10/10 17:19	79-34-5	
1,1,2-Trichloroethane	ND ug/L	1.0	1		05/10/10 17:19	79-00-5	
1,1-Dichloroethane	ND ug/L	1.0	1		05/10/10 17:19	75-34-3	
1,1-Dichloroethene	ND ug/L	1.0	1		05/10/10 17:19	75-35-4	
1 2,4-Trichlorobenzene	ND ug/L	1.0	1		05/10/10 17:19	120-82-1	
,4-Trimethylbenzene	ND ug/L	1.0	1		05/10/10 17:19	95-63-6	
,,2-Dichlorobenzene	ND ug/L	1.0	1		05/10/10 17:19	95-50-1	
1,2-Dichloroethane	ND ug/L	1.0	1		05/10/10 17:19	107-06-2	
1,2-Dichloroethene (Total)	ND ug/L	2.0	1		05/10/10 17:19	540-59-0	
1,2-Dichloropropane	ND ug/L	1.0	1		05/10/10 17:19	78-87-5	
1,3,5-Trimethylbenzene	ND ug/L	1.0	1		05/10/10 17:19	108-67-8	
1,3-Dichlorobenzene	ND ug/L	1.0	1		05/10/10 17:19	541-73-1	
1,4-Dichlorobenzene	ND ug/L	1.0	1		05/10/10 17:19	106-46-7	
2-Butanone (MEK)	ND ug/L	10.0	1		05/10/10 17:19	78-93-3	
2-Hexanone	ND ug/L	10.0	1		05/10/10 17:19	591-78-6	
4-Methyl-2-pentanone (MIBK)	ND ug/L	10.0	1		05/10/10 17:19	108-10-1	
Acetone	ND ug/L	10.0	1		05/10/10 17:19		
Benzene	ND ug/L	1.0	1		05/10/10 17:19		
Bromochloromethane	ND ug/L	1.0	1		05/10/10 17:19		
Bromodichloromethane	ND ug/L	1.0	1		05/10/10 17:19		
Bromoform	ND ug/L	1.0	1		05/10/10 17:19		
Bromomethane	ND ug/L	1.0	1		05/10/10 17:19		
Carbon disulfide	ND ug/L	1.0	1		05/10/10 17:19		
Carbon tetrachloride	ND ug/L	1.0	1		05/10/10 17:19		
Chlorobenzene	ND ug/L	1.0	1		05/10/10 17:19		
Chloroethane	ND ug/L	1.0	1		05/10/10 17:19		
Chloroform	ND ug/L	1.0	i		05/10/10 17:19		
Chloromethane	ND ug/L	1.0	1		05/10/10 17:19		
Dibromochloromethane	ND ug/L	1.0	1		05/10/10 17:19		
Ethylbenzene	ND ug/L	1.0	1		05/10/10 17:19		
Isopropylbenzene (Cumene)	ND ug/L	1.0	1		05/10/10 17:19		
Methyl-tert-butyl ether	ND ug/L	1.0	1		05/10/10 17:19		
Methylene Chloride	ND ug/L	1.0	1		05/10/10 17:19		
Metriylerie Cilionde	NEJ UG/L	2.0	1		00/10/10 17:19	10-05-Z	

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REPORT OF LABORATORY ANALYSIS

Page 9 of 107

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CABOT-EPA 006947



ANALYTICAL RESULTS

Project:

2H/4H 39938634.00017

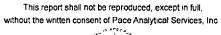
Pace Project No.: 3027322

Sample: DW	Lab ID: 3027322001	Collected. 05/06/1	0 12:30	Received: 05/08/10 09:07 Matrix: Water
Parameters	Results Units	Report Limit	DF	Prepared Analyzed CAS No. Qua
8260 MSV	Analytical Method: EPA	8260		
Styrene	ND ug/L	1.0	1	05/10/10 17:19 100-42-5
Tetrachloroethene	ND ug/L	1.0	1	05/10/10 17:19 127-18-4
Toluene	ND ug/L	1.0	1	05/10/10 17:19 108-88-3
Trichloroethene	ND ug/L	1.0	1	05/10/10 17:19 79-01-6
Vinyl chloride	ND ug/L	1.0	1	05/10/10 17:19 75-01-4
Xylene (Total)	ND ug/L	3.0	1	05/10/10 17:19 1330-20-7
cis-1,2-Dichloroethene	ND ug/L	1.0	1	05/10/10 17:19 156-59-2
cis-1,3-Dichloropropene	ND ug/L	1.0	1	05/10/10 17:19 10061-01-5
m&p-Xylene	ND ug/L	2.0	1	05/10/10 17:19 179601-23-1
n-Butylbenzene	ND ug/L	1.0	1	05/10/10 17:19 104-51-8
n-Propylbenzene	ND ug/L	1.0	1	05/10/10 17:19 103-65-1
o-Xylene	ND ug/L	1.0	1	05/10/10 17:19 95-47-6
p-Isopropyltoluene	ND ug/L	1.0	1	05/10/10 17:19 99-87-6
sec-Butylbenzene trans-1,2-Dichloroethene	ND ug/L ND ug/L	1.0 1.0	1 1	05/10/10 17:19 135-98-8 05/10/10 17:19 156-60-5
trans-1,3-Dichloropropene	ND ug/L	1.0	1	05/10/10 17:19 136-60-5
4-Bromofluorobenzene (S)	98 %	70-130	1	05/10/10 17:19 10001-02-0
1,2-Dichloroethane-d4 (S)	111 %	70-130	1	05/10/10 17:19 17060-07-0
Toluene-d8 (S)	95 %	70-130	1	05/10/10 17:19 2037-26-5
2540C Total Dissolved Solids	Analytical Method: SM 2	2540C		
Total Dissolved Solids	201 mg/L	10.0	1	05/10/10 17:30
2540D Total Suspended Solids	Analytical Method: SM 2	2540D		
Total Suspended Solids	ND mg/L	4.0	1	05/10/10 21:20
5540C MBAS Surfactants	Analytical Method: SM 8	5540C		
Surfactants	ND mg/L	0.10	1	05/13/10 14:25 2c
9034 Sulfide Water	Analytical Method [,] EPA	9034		
Sulfide	ND mg/L	1.0	1	05/12/10 23:40
4500 Chloride	Analytical Method. SM	4500-CI-E		
Chloride	5.4 mg/L	3.0	1	05/12/10 00.00 16887-00-6

Date: 06/15/2010 04:57 PM

REPORT OF LABORATORY ANALYSIS

Page 10 of 107





CABOT-EPA 006948



ANALYTICAL RESULTS

Project: 2H/4H 39938634.00017

Pace Project No.: 3027322

Sample: HD Well	Lab ID: 30273	2002 Collected: 05/	06/10 13:0	0 Received: 05	/08/10 09:07 N	latrix: Water	
Parameters	Results	Units Report Lin	ait DF	Prepared	Analyzed	CAS No.	Qua
6010 MET ICP	Analytical Method	: EPA 6010B Preparation	n Method: E	EPA 3005			
Aluminum	125 ug/L	50	0.0 1	05/10/10 13:00	05/13/10 11:49	7429-90-5	
Antimony	ND ug/L		5.0 1	05/10/10 13:00	05/13/10 11:49	7440-36-0	
Arsenic	ND ug/L	:	5.0 1	05/10/10 13:00	05/13/10 11:49	7440-38-2	
Barium	94.1 ug/L	11	0.0	05/10/10 13:00	05/13/10 11:49	7440-39-3	
Beryllium	ND ug/L		1.0 1	05/10/10 13:00	05/13/10 11:49	7440-41-7	
Boron	ND ug/L	5	0.0 1	05/10/10 13:00	05/13/10 11:49	7440-42-8	
Cadmium	ND ug/L		1.0 1	05/10/10 13:00	05/13/10 11:49	7440-43-9	
Calcium	12900 ug/L	10	00 1	05/10/10 13:00	05/13/10 11:49	7440-70-2	
Chromium	ND ug/L		50 1	05/10/10 13:00	05/13/10 11:49	7440-47-3	
Cobalt	ND ug/L		5.0 1	05/10/10 13:00	05/13/10 11:49	7440-48-4	
Copper	ND ug/L		5.0 1	05/10/10 13:00	05/13/10 11:49	7440-50-8	
Iron	127 ug/L	5	0.0 1	05/10/10 13:00	05/13/10 11:49	7439-89-6	
Lead	ND ug/L		20 1	05/10/10 13:00	05/13/10 11:49	7439-92-1	
Magnesium	2800 ug/L	2	.00 1	05/10/10 13:00	05/13/10 11:49	7439-95-4	
Manganese	ND ug/L		5.0 1	05/10/10 13:00	05/13/10 11:49	7439-96-5	
Molybdenum	ND ug/L	2	0.0 1	05/10/10 13:00	05/13/10 11:49	7439-98-7	
Nickel	ND ug/L	1	0.0 1	05/10/10 13:00	05/13/10 11:49	7440-02-0	
ntassium	2530 ug/L	5	00 1	05/10/10 13:00	05/13/10 11:49	7440-09-7	
alenium	ND ug/L		5.0 1	05/10/10 13:00	05/13/10 11:49	7782-49-2	
Silver	ND ug/L		1.0 1	05/10/10 13:00	05/13/10 11:49	7440-22-4	
Sodium	4860 ug/L	10	000 1	05/10/10 13:00	05/13/10 11:49	7440-23-5	
Thallium	ND ug/L	1	0.0 1	05/10/10 13.00	05/13/10 11:49	7440-28-0	
Vanadium	ND ug/L		5.0 1	05/10/10 13:00	05/13/10 11:49	7440-62-2	
Zinc	ND ug/L	1	0.0 1	05/10/10 13:00	05/13/10 11:49	7440-66-6	
6010 MET ICP, Lab Filtered	Analytical Method	l: EPA 6010 Preparation	Method: El	PA 3005			
Aluminum, Dissolved	ND ug/L	5	00 1	05/11/10 14:24	05/12/10 12:19	7429-90-5	
Antimony, Dissolved	ND ug/L		5.0 1	05/11/10 14:24	05/12/10 12:19	7440-36-0	
Arsenic, Dissolved	ND ug/L		5.0 1	05/11/10 14:24	05/12/10 12:19	7440-38-2	
Barium, Dissolved	85.8 ug/L	1	0.0 1	05/11/10 14:24	05/12/10 12:19	7440-39-3	
Beryllium, Dissolved	ND ug/L		1.0 1	05/11/10 14:24	05/12/10 12:19	7440-41-7	
Boron, Dissolved	ND ug/L	5	0.0 1	05/11/10 14:24	05/12/10 12:19	7440-42-8	
Cadmium, Dissolved	ND ug/L		1.0 1	05/11/10 14:24	05/12/10 12:19	7440-43-9	
Calcium, Dissolved	13500 ug/L	10	000 1	05/11/10 14:24	05/12/10 12:19	7440-70-2	
Chromium, Dissolved	ND ug/L		5.0 1	05/11/10 14:24	05/12/10 12:19	7440-47-3	
Cobalt, Dissolved	ND ug/L		5.0 1	05/11/10 14:24	05/12/10 12:19	7440-48-4	
Copper, Dissolved	ND ug/L		5.0 1	05/11/10 14:24	05/12/10 12:19	7440-50-8	
Iron, Dissolved	ND ug/L	5	00 1	05/11/10 14:24	05/12/10 12:19	7439-89-6	
Lead, Dissolved	2.1 ug/L		2.0 1		05/12/10 12:19		
Magnesium, Dissolved	2900 ug/L		200 1		05/12/10 12:19		
Manganese, Dissolved	6.4 ug/L		5.0 1		05/12/10 12:19		
Molybdenum, Dissolved	ND ug/L		0.0 1		05/12/10 12:19		
Nickel, Dissolved	ND ug/L		0.0 1		05/12/10 12:19		
Potassium, Dissolved	2580 ug/L		500 1		05/12/10 12:19		
Selenium, Dissolved	ND ug/L		5.0 1		05/12/10 12:19		
Silver, Dissolved	ND ug/L		1.0 1		05/12/10 12:19		
Sodium, Dissolved	5190 ug/L		000 1		05/12/10 12:19		

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REPORT OF LABORATORY ANALYSIS

Page 11 of 107

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CABOT-EPA 006949



ANALYTICAL RESULTS

Project: 2H/4H 39938634.00017

Pace Project No.: 3027322

Sample: HD Well	Lab ID: 3027	322002	Collected: 05/06/	10 13.00	Received: 05	5/08/10 0 9.07	Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Lab Filtered	Analytical Metho	od: EPA 60	010 Preparation Me	thod: EP	A 3005			
Thallium, Dissolved	ND ug/L	_	10.0	1	05/11/10 14:24	06/14/10 16:55	7440-28-0	
Vanadium, Dissolved	ND ug/L	_	5.0	1	05/11/10 14:24	05/12/10 12:19	7440-62-2	
Zınc, Dissolved	ND ug/L	•	10.0	1	05/11/10 14:24	05/12/10 12:19	7440-66-6	
7470 Mercury	Analytical Metho	od: EPA 74	170 Preparation Me	thod: EP	A 7470			
Mercury	ND ug/L	-	0.20	1	05/11/10 11:36	05/12/10 07:32	2 7439-97-6	
7470 Mercury, Lab Filtered	Analytical Metho	od: EPA 74	170 Preparation Me	thod: EP	A 7470			
Mercury, Dissolved	ND ug/l	-	0.20	1	05/11/10 11:37	05/12/10 08:25	7439-97-6	
8260 MSV	Analytical Metho	od: EPA 82	260					
1,1,1-Trichloroethane	ND ug/L		1.0	1		05/10/10 17:45		
1,1,2,2-Tetrachloroethane	ND ug/l	_	1.0	1		05/10/10 17:45	79-34-5	
1,1,2-Trichloroethane	ND ug/L	_	1.0	1		05/10/10 17:45	79-00-5	
1,1-Dichloroethane	ND ug/L		1.0	1		05/10/10 17:45	75-34-3	
1,1-Dichloroethene	ND ug/L	_	1.0	1		05/10/10 17:45	5 75-35-4	
1,2,4-Trichlorobenzene	ND ug/L	-	1.0	1		05/10/10 17:45	5 120-82-1	
1,2,4-Trimethylbenzene	ND ug/L		1.0	1		05/10/10 17:45	95-63-6	
1,2-Dichlorobenzene	ND ug/L		1.0	1		05/10/10 17:45		
1.2-Dichloroethane	ND ug/L		1.0	1		05/10/10 17:45		
1,2-Dichloroethene (Total)	ND ug/L		2.0	1		05/10/10 17:45		
1,2-Dichloropropane	ND ug/L		1.0	1		05/10/10 17:45		
1,3,5-Trimethylbenzene	ND ug/L		1.0	1		05/10/10 17:45		
1,3-Dichlorobenzene	ND ug/L		1.0	1		05/10/10 17:45		
1,4-Dichlorobenzene	ND ug/L		1.0	1		05/10/10 17:45		
2-Butanone (MEK)	ND ug/L		10.0	1		05/10/10 17:45		
2-Butanone (MEK) 2-Hexanone	ND ug/L		10.0	1		05/10/10 17:45		
	-		10.0	1		05/10/10 17:48		
4-Methyl-2-pentanone (MIBK)	ND ug/L		10.0	1				
Acetone	ND ug/L			1		05/10/10 17:48		
Benzene	ND ug/L		1.0	1		05/10/10 17:45		
Bromochloromethane	ND ug/L		1.0			05/10/10 17:45		
Bromodichloromethane	ND ug/l		1.0	1		05/10/10 17:45		
Bromoform	ND ug/l		1.0	1		05/10/10 17:45		
Bromomethane	ND ug/L		1.0	1		05/10/10 17:45		
Carbon disulfide	ND ug/L		1.0	1		05/10/10 17:45		
Carbon tetrachloride	ND ug/l	-	1.0	1		05/10/10 17:45	5 56-23- 5	
Chlorobenzene	ND ug/l	_	1.0	1		05/10/10 17:45		
Chloroethane	ND ug/l		1.0	1		05/10/10 17:45		
Chloroform	ND ug/L	-	1.0	1		05/10/10 17:45	67-66-3	
Chloromethane	ND ug/l	-	1.0	1		05/10/10 17:45	5 74-87-3	
Dibromochloromethane	ND ug/l	_	1 0	1		05/10/10 17:45	5 124-48-1	
Ethylbenzene	ND ug/L	_	1.0	1		05/10/10 17:45	5 100-41-4	
Isopropylbenzene (Cumene)	ND ug/L	_	1.0	1		05/10/10 17:45	98-82-8	
Methyl-tert-butyl ether	ND ug/l		1.0	1		05/10/10 17:45		
Methylene Chloride	ND ug/l		1.0	1		05/10/10 17:45		
Naphthalene	ND ug/l		2.0	1		05/10/10 17:45		

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REPORT OF LABORATORY ANALYSIS

Page 12 of 107

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CABOT-EPA 006950



ANALYTICAL RESULTS

Project:

2H/4H 39938634.00017

Pace Project No.: 3027322

Sample: HD Well	Lab ID: 3027322002 Colle	ected: 05/06/10	13 [.] 00	Received: 05/08/10 09:0	7 Matrix: Water	r
Parameters	Results Units F	Report Limit	DF	Prepared Analyzi	ed CAS No.	. Qua
8260 MSV	Analytical Method: EPA 8260					
Styrene	ND ug/L	1.0	1	05/10/10 1	7:45 100-42-5	
Tetrachloroethene	ND ug/L	1.0	1	05/10/10 1	7:45 127-18-4	
Toluene	ND ug/L	1.0	1	0 5/10/10 1	7:45 108-88-3	
Trichloroethene	ND ug/L	1.0	1		7:45 79-01-6	
Vinyl chloride	ND ug/L	1.0	1	05/10/10 1	7:45 75-01-4	
Xylene (Total)	ND ug/L	3.0	1	05/10/10 1	7:45 1330-20-7	
cis-1,2-Dichloroethene	ND ug/L	1.0	1		7:45 156-59-2	
cis-1,3-Dichloropropene	ND ug/L	1.0	1	05/10/10 1	7:45 10061-01-	5
m&p-Xylene	ND ug/L	2.0	1		17:45 179601-23	-1
n-Butylbenzene	ND ug/L	1.0	1		7:45 104-51-8	
n-Propylbenzene	ND ug/L	1.0	1		7:45 103-65-1	
o-Xylene	ND ug/L	1.0	1	05/10/10 1	17:45 95-47-6	
p-Isopropyltoluene	ND ug/L	1.0	1		7:45 99-87-6	
sec-Butylbenzene	ND ug/L	1.0	1		17:45 135-98-8	
trans-1,2-Dichloroethene	ND ug/L	1.0	1		17:45 156-60-5	
trans-1,3-Dichloropropene	ND ug/L	1.0	1		17:45 10061-02-	6
4-Bromofluorobenzene (S)	97 %	70-130	1		17:45 460-00-4	
?-Dichloroethane-d4 (S)	118 %	70-130	1		17:45 17060-07-	
Juene-d8 (S)	96 %	70-130	1	05/10/10 1	17.45 2037-26-5	
2540C Total Dissolved Solids	Analytical Method: SM 2540C					
Total Dissolved Solids	103 mg/L	10.0	1	05/12/10 2	<u>1:12</u>	
2540D Total Suspended Solids	Analytical Method: SM 2540D					
Total Suspended Solids	ND mg/L	4.0	1	05/10/10 2	<u>?</u> 1:20	
5540C MBAS Surfactants	Analytical Method: SM 5540C					
Surfactants	ND mg/L	0.10	1	05/13/10 1	4:25	2c
9034 Sulfide Water	Analytical Method: EPA 9034					
Sulfide	ND mg/L	1.0	1	05/12/10 2	23:40	
4500 Chloride	Analytical Method: SM 4500-CI-E	Ξ				
Chloride	6.7 mg/L	3.0	1	05/12/10 2	20:20 16887-00-	6

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REPORT OF LABORATORY ANALYSIS

Page 13 of 107

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CABOT-EPA 006951



ANALYTICAL RESULTS

Project: 2H/4H 39938634 00017

Pace Project No.: 3027322

Sample: DG Sump	Lab ID:	3027322003	Collected:	05/06/1	0 13:30	Received. 0	5/08/10 09:07	Matrix. Water	
Parameters	Results	Units	Repor	t Limit	DF	Prepared	Analyzed	CAS No.	Qua
6010 MET ICP	Analytical	Method: EPA 6	010B Prepar	ation Me	thod EF	PA 3005			
Aluminum	1150	0 ug/L		5 0. 0	1	05/10/10 13:00	05/13/10 11:5	2 742 9 -90- 5	
Antimony	N	D ug/L		5.0	1	05/10/10 13:00	05/13/10 11:5	2 7440-36-0	
Arsenic	19.	6 ug/L		5.0	1	05/10/10 13:00	05/13/10 11:5	2 7440-38-2	
Barium	72	5 ug/L		10.0	1	05/10/10 13.00	05/13/10 11:5	2 7440-39-3	
Beryllium		D ug/L		1.0	1		05/13/10 11:5		
Boron		4 ug/L		50.0	1		05/13/10 11:5		
Cadmium		D ug/L		1.0	1	05/10/10 13:00	05/13/10 11:5	2 7440-43-9	
Calcium		0 ug/L		1000	1		05/13/10 11:5		
Chromium		2 ug/L		5.0	1		05/13/10 11:5		
Cobalt		9 ug/L		5.0	1		05/13/10 11:5		
Copper		9 ug/L		5.0	1		05/13/10 11:5		
ron		0 ug/L		50.0	1		05/13/10 11:5		
Lead		6 ug/L		2.0	1		05/13/10 11:5		
Magnesium		0 ug/L		200	1		05/13/10 11:5		
Vanganese		0 ug/L		5.0	1		05/13/10 11:5		
Molybdenum		o ug/L D ug/L		20.0	1		05/13/10 11:5		
•		-		10.0	1		05/13/10 11:5		
Nickel Patassium		4 ug/L		500	1		05/13/10 11:5		
Potassium		0 ug/L		5.0	1				
Selenium		Dug/L					05/13/10 11:5		
Silver		Oug/L		1.0	1		05/13/10 11:5		
Sodium		0 ug/L		1000	1		05/13/10 11:5		
Thallium		D ug/L		10.0	1		05/13/10 11:5		
√anadium -		1 ug/L		5.0	1		05/13/10 11.5		
Zinc	15	2 ug/L		10.0	1	05/10/10 13:00	05/13/10 11:5	2 7440-66-6	
6010 MET ICP, Lab Filtered	Analytical	Method: EPA 6	010 Preparat	tion Metl	nod: EPA	3005			
Aluminum, Dissolved	N	D ug/L		50.0	1	05/11/10 14:24	05/12/10 12:2	2 7429-90-5	
Antimony, Dissolved	NI	O ug/L		5.0	1	05/11/10 14:24	05/12/10 12:2	2 7440-36-0	
Arsenic, Dissolved	N	D ug/L		5.0	1	05/11/10 14:24	05/12/10 12:2	2 7440-38-2	
Barium, Dissolved	85.	9 ug/L		10.0	1	05/11/10 14.24	05/12/10 12:2	2 7440-39-3	
Beryllium, Dissolved	NI	D ug/L		1.0	1	05/11/10 14:24	05/12/10 12:2	2 7440-41-7	
Boron, Dissolved	56.	9 ug/L		50.0	1	05/11/10 14:24	05/12/10 12.2	2 7440-42-8	
Cadmium, Dissolved	NI	D ug/L		1.0	1	05/11/10 14:24	05/12/10 12:2	2 7440-43-9	
Calcium, Dissolved		0 ug/L		1000	1	05/11/10 14:24	05/12/10 12:2	2 7440-70-2	
Chromium, Dissolved		D ug/L		5.0	1		05/12/10 12:2		
Cobalt, Dissolved		D ug/L		5.0	1		05/12/10 12:2		
Copper, Dissolved		8 ug/L		5.0	1		05/12/10 12:2		
ron, Dissolved		8 ug/L		50.0	1		05/12/10 12:2		
Lead, Dissolved		6 ug/L		2.0	1		05/12/10 12:2		
Magnesium, Dissolved		0 ug/L		200	1		05/12/10 12:2		
Manganese, Dissolved		0 ug/L 2 ug/L		5.0	1		05/12/10 12:2		
Molybdenum, Dissolved		zug/L Dug/L		20.0	1		05/12/10 12:2		
Nickel, Dissolved		Dug/L		10.0	1		05/12/10 12:2		
•		-		500	1				
Potassium, Dissolved		0 ug/L					05/12/10 12:2		
Selenium, Dissolved		Dug/L		50	1		05/12/10 12:2		
Silver, Dissolved		D ug/L		1.0	1		05/12/10 12:2		
Sodium, Dissolved	6590	0 ug/L		1000	1	05/11/10 14:24	05/12/10 12:2	2 7440-23-5	

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REPORT OF LABORATORY ANALYSIS

Page 14 of 107

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CABOT-EPA 006952



ANALYTICAL RESULTS

Project: 2H/4H 39938634.00017
Pace Project No.: 3027322

Sample: DG Sump Lab ID: 3027322003 Collected: 05/06/10 13:30 Received: 05/08/10 09:07 Matrix: Water **Parameters** Results Units Report Limit DF Prepared Analyzed CAS No. Qual 6010 MET ICP, Lab Filtered Analytical Method: EPA 6010 Preparation Method: EPA 3005 Thallium, Dissolved 5.9J ug/L 10.0 1 05/11/10 14:24 05/12/10 12:22 7440-28-0 05/11/10 14:24 05/12/10 12:22 7440-62-2 Vanadium, Dissolved ND ug/L 5.0 1 Zinc, Dissolved ND ug/L 10.0 05/11/10 14:24 05/12/10 12:22 7440-66-6 7470 Mercury Analytical Method: EPA 7470 Preparation Method: EPA 7470 ND ug/L 0.20 05/11/10 11:36 05/12/10 07:34 7439-97-6 Mercury 1 7470 Mercury, Lab Filtered Analytical Method: EPA 7470 Preparation Method: EPA 7470 Mercury, Dissolved ND ug/L 0.20 1 05/11/10 11:37 05/12/10 08:26 7439-97-6 8260 MSV Analytical Method: EPA 8260 1,1,1-Trichloroethane ND ug/L 1.0 05/10/10 18.11 71-55-6 1 1,1,2,2-Tetrachloroethane ND ug/L 10 05/10/10 18:11 79-34-5 1,1,2-Trichloroethane ND ug/L 10 05/10/10 18:11 79-00-5 1,1-Dichloroethane ND ug/L 1.0 05/10/10 18:11 75-34-3 1,1-Dichloroethene ND ug/L 1.0 05/10/10 18:11 75-35-4 2,4-Trichlorobenzene ND ug/L 10 05/10/10 18:11 120-82-1 4-Trimethylbenzene ND ug/L 1.0 05/10/10 18.11 95-63-6 1,2-Dichlorobenzene ND ug/L 1.0 05/10/10 18:11 95-50-1 1,2-Dichloroethane ND ug/L 1.0 05/10/10 18:11 107-06-2 1,2-Dichloroethene (Total) ND ug/L 20 05/10/10 18:11 540-59-0 ND ug/L 1.0 05/10/10 18:11 78-87-5 1.2-Dichloropropane 1,3,5-Trimethylbenzene ND ug/L 1.0 05/10/10 18:11 108-67-8 1,3-Dichlorobenzene ND ug/L 1.0 05/10/10 18:11 541-73-1 1,4-Dichlorobenzene ND ug/L 1.0 05/10/10 18:11 106-46-7 2-Butanone (MEK) ND ug/L 10.0 05/10/10 18:11 78-93-3 2-Hexanone ND ug/L 10.0 05/10/10 18:11 591-78-6 4-Methyl-2-pentanone (MIBK) ND ug/L 10.0 05/10/10 18:11 108-10-1 Acetone ND ug/L 10.0 05/10/10 18.11 67-64-1 Benzene ND ug/L 1.0 05/10/10 18:11 71-43-2 Bromochloromethane ND ug/L 1.0 05/10/10 18:11 74-97-5 1.0 Bromodichloromethane ND ug/L 05/10/10 18.11 75-27-4 Bromoform ND ug/L 1.0 05/10/10 18:11 75-25-2 Bromomethane ND ug/L 1.0 05/10/10 18:11 74-83-9 Carbon disulfide ND ug/L 1.0 05/10/10 18:11 75-15-0

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Isopropylbenzene (Cumene)

Carbon tetrachloride

Dibromochloromethane

Methyl-tert-butyl ether

Methylene Chloride

Chlorobenzene

Chloromethane

Ethylbenzene

Naphthalene

Chloroethane

Chloroform

REPORT OF LABORATORY ANALYSIS

1.0

1.0

1.0

1.0

1.0

1.0

1.0

10

1.0

1.0

ND ug/L

ND ug/L

ND ug/L

ND ug/L

ND ug/L

ND ug/L

ND ug/L

ND ug/L

ND ug/L

ND ug/L

ND ug/L

Page 15 of 107

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CABOT-EPA 006953

05/10/10 18:11 56-23-5

05/10/10 18.11 108-90-7

05/10/10 18:11 75-00-3

05/10/10 18:11 67-66-3

05/10/10 18:11 74-87-3

05/10/10 18:11 124-48-1

05/10/10 18:11 100-41-4

05/10/10 18:11 98-82-8

05/10/10 18:11 75-09-2 05/10/10 18:11 91-20-3

1634-04-4

05/10/10 18:11



ANALYTICAL RESULTS

Project: 2H/4H 39938634.00017

Pace Project No.: 3027322

Sample: DG Sump	Lab ID: 3027322003 Coll	lected: 05/06/10	13:30	Received: 05/08/10 09:07 Matrix: Water
Parameters	Results Units	Report Limit	DF	Prepared Analyzed CAS No. Qual
8260 MSV	Analytical Method: EPA 8260			
Styrene	ND ug/L	1.0	1	05/10/10 18:11 100-42-5
Tetrachloroethene	ND ug/L	1.0	1	05/10/10 18:11 127-18-4
Toluene	ND ug/L	1.0	1	05/10/10 18:11 108-88-3
Trichloroethene	ND ug/L	1.0	1	05/10/10 18:11 79-01-6
Vinyl chloride	ND ug/L	1.0	1	05/10/10 18:11 75-01-4
Xylene (Total)	ND ug/L	3.0	1	05/10/10 18:11 1330-20-7
cis-1,2-Dichloroethene	ND ug/L	1.0	1	05/10/10 18:11 156-59-2
cis-1,3-Dichloropropene	ND ug/L	1.0	1	05/10/10 18:11 10061-01-5
m&p-Xylene	ND ug/L	2.0	1	05/10/10 18:11 179601-23-1
n-Butylbenzene	ND ug/L	1.0	1	05/10/10 18:11 104-51-8
n-Propyibenzene	ND ug/L	1.0	1	05/10/10 18:11 103-65-1
o-Xylene	ND ug/L	1.0	1	05/10/10 18:11 95-47-6
p-Isopropyltoluene	ND ug/L	1.0	1	05/10/10 18:11 99-87-6
sec-Butylbenzene	ND ug/L	1.0	1	05/10/10 18:11 135-98-8
trans-1,2-Dichloroethene	ND ug/L	1.0	1	05/10/10 18:11 156-60-5
trans-1,3-Dichloropropene	ND ug/L	1.0	1	05/10/10 18:11 10061-02-6
4-Bromofluorobenzene (S)	96 %	70-130	1	05/10/10 18:11 460-00-4
1,2-Dichloroethane-d4 (S)	114 %	70-130	1	05/10/10 18:11 17060-07-0
Toluene-d8 (S)	95 %	70-130	1	05/10/10 18:11 2037-26-5
2540C Total Dissolved Solids	Analytical Method: SM 2540C			
Total Dissolved Solids	218 mg/L	10.0	1	05/12/10 21:12
2540D Total Suspended Solids	Analytical Method: SM 2540D			
Total Suspended Solids	774 mg/L	4.0	1	05/10/10 21:20
5540C MBAS Surfactants	Analytical Method: SM 5540C			
Surfactants	ND mg/L	0.10	1	05/13/10 14:25 2c
9034 Sulfide Water	Analytical Method: EPA 9034			
Sulfide	ND mg/L	1.0	1	05/12/10 23:40
4500 Chloride	Analytical Method: SM 4500-Cl-	-E		
Chloride	40.6 mg/L	30	1	05/12/10 20:20 16887-00-6

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REPORT OF LABORATORY ANALYSIS

Page 16 of 107

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CABOT-EPA 006954



ANALYTICAL RESULTS

Project: 2H/4H 39938634 00017

Pace Project No.: 3027322

Sample: Gamp-UG Sump	Lab ID: 302	7322004	Collected: 05/06/1	0 14:30	Received: 05	/08/10 09:07 N	Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qua
6010 MET ICP	Analytical Met	hod: EPA 66	010B Preparation Me	thod: E	PA 3005			
Aluminum	10500 ug	/L	50.0	1	05/10/10 13.00	05/13/10 11:55	7429-90-5	
Antimony	ND ug	/L	5.0	1	05/10/10 13:00	05/13/10 11:55	7440-36-0	
Arsenic	12.6 ug	/L	5.0	1	05/10/10 13:00	05/13/10 11:55	7440-38-2	
Barium	535 ug	ı/L	10.0	1	05/10/10 13.00	05/13/10 11:55	7440-39-3	
Beryllium	ND ug	/L	1.0	1	05/10/10 13:00	05/13/10 11:55	7440-41-7	
Boron	ND ug	/L	50.0	1	05/10/10 13:00	05/13/10 11:55	7440-42-8	
Cadmium	ND ug	ı/L	1.0	1	05/10/10 13:00	05/13/10 11:55	7440-43-9	
Calcium	17300 ug	J/L	1000	1	05/10/10 13:00	05/13/10 11:55	7440-70-2	
Chromium	16.0 ug	ı/L	50	1	05/10/10 13:00	05/13/10 11:55	7440-47-3	
Cobalt	9.1 ug	ı/L	5.0	1	05/10/10 13:00	05/13/10 11:55	7440-48-4	
Copper	32.8 ug	/L	5.0	1	05/10/10 13:00	05/13/10 11:55	7440-50-8	
Iron	16500 ug		50.0	1	05/10/10 13.00	05/13/10 11:55	7439-89-6	
Lead	58.5 ug	ı/L	2.0	1	05/10/10 13:00	05/13/10 11:55	7439-92-1	
Magnesium	6040 ug	ı/L	200	1	05/10/10 13.00	05/13/10 11:55	7439-95-4	
Manganese	866 ug	ı/L	5.0	1	05/10/10 13:00	05/13/10 11:55	7439-96-5	
Molybdenum	ND ug	ı/L	20.0	1	05/10/10 13:00	05/13/10 11:55	7439-98-7	
Nickel	15.2 ug		10.0	1	05/10/10 13:00	05/13/10 11:55	7440-02-0	
tassium	4590 ug		500	1		05/13/10 11:55		
alenium	ND ug	•	5.0	1		05/13/10 11:55		
Silver	ND up	•	1.0	1		05/13/10 11:55		
Sodium	704 0 ug	•	1000	1		05/13/10 11:55		
Thallium	ND ug	•	10.0	1		05/13/10 11:55		
Vanadium	14.8 ug	•	5.0	1		05/13/10 11:55		
Zinc	108 ug	-	10 0	1		05/13/10 11:55		
6010 MET ICP, Lab Filtered	Analytical Met	hod: EPA 6	010 Preparation Met	hod: EP	A 3005			
Aluminum, Dissolved	ND ug	ı/L	50.0	1	05/11/10 14:24	05/12/10 12:25	7429-90-5	
Antimony, Dissolved	ND ug		50	1	05/11/10 14:24	05/12/10 12:25	7440-36-0	
Arsenic, Dissolved	ND ug		5.0	1	05/11/10 14:24	05/12/10 12:25	7440-38-2	
Barium, Dissolved	75.7 ug		10.0	1	05/11/10 14:24	05/12/10 12:25	7440-39-3	
Beryllium, Dissolved	ND ug	a/L	1.0	1	05/11/10 14:24	05/12/10 12:25	7440-41-7	
Boron, Dissolved	ND ug		50.0	1		05/12/10 12:25		
Cadmium, Dissolved	ND ug	a/L	1.0	1	05/11/10 14:24	05/12/10 12:25	7440-43-9	
Calcium, Dissolved	14400 ud	-	1000	1		05/12/10 12:25		
Chromium, Dissolved	ND ug	•	5.0	1		05/12/10 12:25		
Cobalt, Dissolved	ND ug	-	50	1		05/12/10 12:25		
Copper, Dissolved	ND ug		5.0	1		05/12/10 12:25		
Iron, Dissolved	ND us	-	50.0	1		05/12/10 12:25		
Lead, Dissolved	ND us	•	2.0	1		05/12/10 12:25		
Magnesium, Dissolved	2940 ug	-	200	1		05/12/10 12:25		
Manganese, Dissolved	35.6 ug	•	5.0	1		05/12/10 12:25		
Molybdenum, Dissolved	ND us		20.0	1		05/12/10 12:25		
Nickel, Dissolved	ND us	•	10.0	1	-	05/12/10 12:25		
Potassium, Dissolved	2690 ug	-	500	1		05/12/10 12:25		
Selenium, Dissolved	ND us	-	5.0	i		05/12/10 12:25		
Silver, Dissolved	ND us	•	1.0	1		05/12/10 12:25		
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REPORT OF LABORATORY ANALYSIS

Page 17 of 107

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CABOT-EPA 006955



ANALYTICAL RESULTS

Project: 2H/4H 39938634.00017

Pace Project No.: 3027322

Sample: UG Sump	Lab ID: 3027322004	Collected: 05/06/1	0 14:30	Received: 05	5/08/10 0 9:07 N	fatrix: Water	
Parameters	Results Unit	s Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Lab Filtered	Analytical Method: EPA	A 6010 Preparation Met	nod: EP	A 3005			
Thallium, Dissolved	ND ug/L	10.0	1	05/11/10 14:24	05/12/10 12:25	7440-28-0	
Vanadium, Dissolved	ND ug/L	5.0	1		05/12/10 12:25		
Zinc, Dissolved	ND ug/L	10.0	1	05/11/10 14:24	05/12/10 12:25	7440-66-6	
7470 Mercury	Analytical Method, EPA	7470 Preparation Met	nod: EP	A 7470			
Mercury	ND ug/L	0.20	1	05/11/10 11:36	05/12/10 07:35	7439-97-6	
7470 Mercury, Lab Filtered	Analytical Method: EPA	7470 Preparation Met	nod: EP	A 7470			
Mercury, Dissolved	ND ug/L	0.20	1	05/11/10 11:37	05/12/10 08:28	7439-97-6	
3260 MSV	Analytical Method: EPA	A 8260					
1,1,1-Trichloroethane	ND ug/L	1.0	1		05/10/10 18:37		
1,1,2,2-Tetrachloroethane	ND ug/L	1.0	1		05/10/10 18:37	79-34-5	
1,1,2-Trichloroethane	ND ug/L	1.0	1		05/10/10 18:37	79-00 -5	
1,1-Dichloroethane	ND ug/L	1.0	1		05/10/10 18:37		
1,1-Dichloroethene	ND ug/L	1.0	1		05/10/10 18:37	75-35-4	
1,2,4-Trichlorobenzene	ND ug/L	1.0	1		05/10/10 18:37	120-82-1	
1,2,4-Trimethylbenzene	ND ug/L	1.0	1		05/10/10 18:37	95-63-6	
I,2-Dichiorobenzene	ND ug/L	1.0	1		05/10/10 18:37	95-50-1	
,2-Dichloroethane	ND ug/L	1.0	1		05/10/10 18:37	107-06-2	
,2-Dichloroethene (Total)	ND ug/L	2.0	1		05/10/10 18:37	540-59-0	
I,2-Dichloropropane	ND ug/L	1.0	1		05/10/10 18:37	78-87-5	
,3,5-Trimethylbenzene	ND ug/L	1.0	1		05/10/10 18.37	108-67-8	
1,3-Dichlorobenzene	ND ug/L	1.0	1		05/10/10 18:37	541-73-1	
,4-Dichlorobenzene	ND ug/L	1.0	1		05/10/10 18:37	106-46-7	
2-Butanone (MEK)	ND ug/L	10.0	1		05/10/10 18:37		
2-Hexanone	ND ug/L	10.0	1		05/10/10 18:37	591-78-6	
I-Methyl-2-pentanone (MIBK)	ND ug/L	10.0	1		05/10/10 18:37	108-10-1	
Acetone	ND ug/L	10.0	1		05/10/10 18:37	67-64-1	
Benzene	ND ug/L	1.0	1		05/10/10 18:37	71-43-2	
Bromochloromethane	ND ug/L	1.0	1		05/10/10 18:37		
Bromodichloromethane	ND ug/L	1.0	1		05/10/10 18:37		
3romoform	ND ug/L	1.0	1		05/10/10 18:37		
Bromomethane	ND ug/L	1.0	1		05/10/10 18.37		
Carbon disulfide	ND ug/L	10	1		05/10/10 18:37		
Carbon tetrachloride	ND ug/L	1.0	1		05/10/10 18:37		
Chlorobenzene	ND ug/L	1.0	1		05/10/10 18:37		
Chloroethane	ND ug/L	1.0	1		05/10/10 18:37		
Chloroform	ND ug/L	1.0	1		05/10/10 18:37		
Chloromethane	ND ug/L	1.0	1		05/10/10 18 37		
Dibromochloromethane	ND ug/L	1.0	1		05/10/10 18:37		
Ethylbenzene	ND ug/L	1.0	1		05/10/10 18.37		
sopropylbenzene (Cumene)	ND ug/L	1.0	1		05/10/10 18.37		
Methyl-tert-butyl ether	ND ug/L	1.0	1		05/10/10 18:37		
Methylene Chloride	ND ug/L	1.0	1		05/10/10 18.37		
Naphthalene	ND ug/L	2.0	1		05/10/10 18:37	91-20-3	

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REPORT OF LABORATORY ANALYSIS

Page 18 of 107

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CABOT-EPA 006956



ANALYTICAL RESULTS

Project:

2H/4H 39938634.00017

Pace Project No.: 3027322

Sample: UG Sump	Lab ID: 3027322004 Coll	lected: 05/06/10 14:	30 Received: 05/08/10 09:07 Matrix: Water
Parameters	Results Units	Report Limit DF	Prepared Analyzed CAS No.
8260 MSV	Analytical Method: EPA 8260		
Styrene	ND ug/L	1.0 1	05/10/10 18:37 100-42-5
Tetrachioroethene	ND ug/L	1.0 1	05/10/10 18:37 127-18-4
Toluene	ND ug/L	1.0 1	05/10/10 18:37 108-88-3
Trichloraethene	ND ug/L	1.0 1	05/10/10 18:37 79-01-6
Vinyl chloride	ND ug/L	1.0 1	05/10/10 18:37 75-01-4
Xylene (Total)	ND ug/L	3.0 1	05/10/10 18:37 1330-20-7
cis-1,2-Dichloroethene	ND ug/L	1.0 1	05/10/10 18:37 156-59-2
cis-1,3-Dichloropropene	ND ug/L	1.0 1	05/10/10 18:37 10061-01-5
m&p-Xylene	ND ug/L	2.0 1	05/10/10 18:37 179601-23-1
n-Butylbenzene	ND ug/L	1.0 1	05/10/10 18:37 104-51-8
n-Propylbenzene	ND ug/L	1.0 1	05/10/10 18:37 103-65-1
o-Xylene	ND ug/L	1.0 1	05/10/10 18:37 95-47-6
p-Isopropyltoluene	ND ug/L	1.0 1	05/10/10 18:37 99-87-6
sec-Butylbenzene	ND ug/L	1.0 1	05/10/10 18:37 135-98-8
trans-1,2-Dichloroethene	ND ug/L	1.0 1	05/10/10 18:37 156-60-5
trans-1,3-Dichloropropene	ND ug/L	1.0 1	05/10/10 18:37 10061-02-6
4-Bromofluorobenzene (S)	99 %	70-130 1	05/10/10 18:37 460-00-4
'-Dichloroethane-d4 (S)	119 %	70-130 1	05/10/10 18:37 17060-07-0
Juene-d8 (S)	97 %	70-130 1	05/10/10 18:37 2037-26-5
2540C Total Dissolved Solids	Analytical Method: SM 2540C		
Total Dissolved Solids	77.0 mg/L	10.0 1	05/12/10 21:12
2540D Total Suspended Solids	Analytical Method: SM 2540D		
Total Suspended Solids	256 mg/L	4.0 1	05/10/10 21:20
5540C MBAS Surfactants	Analytical Method: SM 5540C		
Surfactants	ND mg/L	0.10 1	05/13/10 14:25 20
9034 Sulfide Water	Analytical Method: EPA 9034		
Sulfide	ND mg/L	1.0 1	05/12/10 23:40
4500 Chloride	Analytical Method: SM 4500-Cl-	-E	
Chloride	7.9 mg/L	3.0 1	05/12/10 20:21 16887-00-6

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REPORT OF LABORATORY ANALYSIS

Page 19 of 107

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ANALYTICAL RESULTS

Project: 2H/4H 39938634.00017

Pace Project No.: 3027322

Sample: DG Sump-Sed	Lab ID: 302732200	Collected: 05/	06/10 13 ·5	0 Received: 0	5/08/10 09:07	Matrix: Solid	
Results reported on a "dry-weight"							
Parameters	Results Uni	Report Lim	it DF	Prepared	Analyzed	CAS No	Qua
6010 MET ICP	Analytical Method: EP	A6010B Preparation	Method: E	EPA 3050			
Aluminum	9160 mg/kg	10).0 1	05/10/10 11:35	05/11/10 13.3	8 742 9 -90-5	
Antimony	ND mg/kg	0.	50 1	05/10/10 11:35	05/11/10 13:3	8 7440-36-0	
Arsenic	5.9 mg/kg	0.	50 1	05/10/10 11:35	05/11/10 13:3	8 7440-38-2	
Barium	99.8 mg/kg	2	2.0 1	05/10/10 11:35	05/11/10 13:3	8 7440-39-3	
Beryllium	0.40 mg/kg	0.	20 1	05/10/10 11:35	05/11/10 13:3	8 7440-41-7	
Boron	7.1 mg/kg		5.0 1	05/10/10 11:35	05/11/10 13:3	8 7440-42-8	
Cadmium	ND mg/kg	0.	20 1	05/10/10 11:35	05/11/10 13:3	8 7440-43-9	
Calcium	8550 mg/kg	2	00 1	05/10/10 11:35	05/11/10 13:38	B 744 0-7 0 -2	
Chromium	13.2 mg/kg	0.	50 1	05/10/10 11:35	05/11/10 13.3	8 7440-47-3	
Cobalt	7.5 mg/kg	•	.0 1	05/10/10 11:35	05/11/10 13:38	8 7440-48-4	
Copper	26.5 mg/kg	•	.0 1	05/10/10 11:35	05/11/10 13:3	8 744 0- 50- 8	
Iron	18500 mg/kg	10	0.0 1	05/10/10 11:35	05/11/10 13:3	8 7439-89-6	
Lead	18.1 mg/kg	0.	50 1	05/10/10 11:35	05/11/10 13:3	8 7439-92-1	
Magnesium	3280 mg/kg	50).1 1	05/10/10 11:35	05/11/10 13.3	8 7439-95-4	
Manganese	372 mg/kg	•	.0 1	05/10/10 11:35	05/11/10 13:3	8 7439-96-5	
Molybdenum	ND mg/kg	2	2.0 1	05/10/10 11:35	05/11/10 13:3	8 7439-98-7	
Nickel	15.3 mg/kg	2	2.0 1	05/10/10 11:35	05/11/10 13.3	B 7440-02-0	
Potassium	1270 mg/kg	50).1 1		05/11/10 13:3		
Selenium	ND mg/kg		50 1		05/11/10 13:3		
Silver	ND mg/kg	0.	20 1		05/11/10 13:3		
Sodium	ND mg/kg		01 1		05/11/10 13:3		
Thallium	ND mg/kg		2.0 1		05/11/10 13:3		
Vanadium	13.9 mg/kg	_	.0 1		05/11/10 13:3		
Zinc	87.9 mg/kg		.0 1		05/11/10 13:3		
7471 Mercury	Analytical Method: EP						
•	•	•					
Mercury	ND mg/kg	U.	14 1	05/10/10 14:37	05/11/10 10.2	5 7439-97-6	
8260 MSV 5030 Low Level	Analytical Method: EP	A 8260					
Acetone	89.6 ug/kg	11	.2 1		05/12/10 13:5	0 67-64-1	
Benzene	ND ug/kg		5.6 1		05/12/10 13:5	0 71-43-2	
Bromochloromethane	ND ug/kg		5.6 1		05/12/10 13:5	0 74-97-5	
Bromodichloromethane	ND ug/kg	į	5.6 1		05/12/10 13:5	0 75-27-4	
Bromoform	ND ug/kg	į.	5.6 1		05/12/10 13:5	0 75-25-2	
Bromomethane	ND ug/kg		5.6 1		05/12/10 13:5	0 74-83-9	
TOTAL BTEX	41.0 ug/kg	33	3.6 1		05/12/10 13:5		
2-Butanone (MEK)	12.0 ug/kg		.2 1		05/12/10 13:5		
n-Butylbenzene	ND ug/kg		5.6 1		05/12/10 13:5		
sec-Butylbenzene	ND ug/kg		5.6 1		05/12/10 13:5		
Carbon disulfide	ND ug/kg		5.6 1		05/12/10 13:5		
Carbon tetrachloride	ND ug/kg		5.6 1		05/12/10 13:5		
Chlorobenzene	ND ug/kg		5.6 1		05/12/10 13:5		
	ND ug/kg		5.6 1		05/12/10 13.5		
Chioroethane							
Chloroethane Chloroform	ND ug/kg		5.6 1		05/12/10 13.5		

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REPORT OF LABORATORY ANALYSIS

Page 20 of 107

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CABOT-EPA 006958



ANALYTICAL RESULTS

Project. 2H/4H 39938634.00017 Pace Project No.: 3027322

Sample: DG Sump-Sed Lab ID: 3027322005 Collected: 05/06/10 13:50 Received: 05/08/10 09:07 Matrix: Solid

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qua
8260 MSV 5030 Low Level	Analytical Method	d: EPA 8260				• • •		
Dibromochloromethane	ND ug/kg	9	5.6	1		05/12/10 13:50	124-48-1	
1,2-Dichlorobenzene	ND ug/kg	g	5.6	1		05/12/10 13:50	95-50-1	
1,3-Dichlorobenzene	ND ug/kg	g	5.6	1		05/12/10 13:50	541-73-1	
1,4-Dichlorobenzene	ND ug/kg	-	5. 6	1		05/12/10 13:50	106-46-7	
1,1-Dichloroethane	ND ug/k	-	5.6	1		05/12/10 13:50	75-34-3	
1,2-Dichloroethane	ND ug/kg		5.6	1		05/12/10 13:50	107-06-2	
1,2-Dichloroethene (Total)	ND ug/kg	g	11.2	1		05/12/10 13.50	540-59-0	
1,1-Dichloroethene	ND ug/k		5.6	1		05/12/10 13:50		
cis-1,2-Dichloroethene	ND ug/k	_	5.6	1		05/12/10 13:50	156-59-2	
trans-1,2-Dichloroethene	ND ug/k	-	5.6	1		05/12/10 13:50	156-60-5	
1,2-Dichloropropane	ND ug/k	•	5.6	1		05/12/10 13:50		
cis-1,3-Dichloropropene	ND ug/k	-	5.6	1		05/12/10 13.50		
trans-1,3-Dichloropropene	ND ug/k	-	56	1		05/12/10 13:50	10061-02-6	
Ethylbenzene	ND ug/k	_	5.6	1		05/12/10 13:50	100-41-4	
2-Hexanone	ND ug/k	-	11.2	1		05/12/10 13:50	591-78-6	
Isopropylbenzene (Cumene)	ND ug/k	•	5.6	1		05/12/10 13:50		
sopropyltoluene	ND ug/k	•	5.6	1		05/12/10 13:50		
⊴thylene Chloride	ND ug/k	-	5.6	1		05/12/10 13:50		
4-Methyl-2-pentanone (MIBK)	ND ug/k	-	11.2	1		05/12/10 13:50		
Methyl-tert-butyl ether	ND ug/k	-	5.6	1		05/12/10 13:50		
Naphthalene	ND ug/k	-	5.6	1		05/12/10 13:50		
n-Propylbenzene	ND ug/k	_	5.6	1		05/12/10 13:50		
Styrene	ND ug/k	-	5.6	1		05/12/10 13:50		
1,1,2,2-Tetrachloroethane	ND ug/k	_	5.6	1		05/12/10 13:50		
Tetrachioroethene	ND ug/k	_	5.6	1		05/12/10 13:50		
Toluene	41.0 ug/k	_	5.6	1		05/12/10 13:50		
1,2,4-Trichlorobenzene	ND ug/k	-	5.6	1		05/12/10 13:50		
1,1,1-Trichloroethane	ND ug/k	_	5.6	1		05/12/10 13:50		
1,1,2-Trichloroethane	ND ug/k	-	5.6	1		05/12/10 13:50		
Trichloroethene	ND ug/k	-	5.6	1		05/12/10 13:50		
1,2,4-Trimethylbenzene	ND ug/k	-	5.6	1		05/12/10 13:50		
1,3,5-Trimethylbenzene	ND ug/k	-	5.6	1		05/12/10 13:50		
Vinyl chloride	ND ug/k	-	5.6	1		05/12/10 13:50		
Xylene (Total)	ND ug/k	-	16.8	1		05/12/10 13.50		
m&p-Xylene	ND ug/k	_	11.2	1		05/12/10 13:50		
o-Xylene	ND ug/k	_	5.6	1		05/12/10 13:50		
Toluene-d8 (S)	107 %	ਰ	70-130	1		05/12/10 13:50		
4-Bromofiuorobenzene (S)	119 %		70-130	1		05/12/10 13:50		
1,2-Dichloroethane-d4 (S)	105 %		70-130 70-130	1		05/12/10 13:50		
Percent Moisture	Analytical Metho	d: ASTM D2				00/12/10 10:00	11000-01-0	
Percent Moisture	29.7 %		0 10	1		05/12/10 14:21		
9034 Sulfide	Analytical Metho	d: EPA 9034						

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REPORT OF LABORATORY ANALYSIS

Page 21 of 107

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CABOT-EPA 006959



ANALYTICAL RESULTS

Project: 2H/4H 39938634.00017

Pace Project No.: 3027322

Sample: DG Sump-Sed	Lab ID: 30	27322006	Collected: 05/06/	10 13:50	Received: 0	05/08/10 09.07	Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
5540C MBAS Surfactants	Analytical Me	thod: SM 554	10C					
Surfactants	ND m	ng/L	0.10	1		05/13/10 14:25	5	3c
4500 Chloride	Analytical Me	thod SM 450	00-CI-E					
Chloride	3.0 m	ıg/L	3.0	1		05/12/10 20:22	16887-00-6	

Date: 06/15/2010 04.57 PM

REPORT OF LABORATORY ANALYSIS

Page 22 of 107

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CABOT-EPA 006960



ANALYTICAL RESULTS

Project: 2H/4H 39938634.00017

Pace Project No.: 3027322

Sample: UG Sump-Sed Lab ID: 3027322007 Collected. 05/06/10 15:00 Received: 05/08/10 09:07 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters Results Report Limit DE Prepared Analyzed CAS No. Ougl

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Me	ethod: EPA 6010	B Preparation Me	ethod: E	EPA 3050			
Aluminum	10000 r	ng/kg	6.5	1	05/10/10 11:35	05/11/10 13:41	7429-90-5	
Antimony	ND r	ng/kg	0.32	1	05/10/10 11:35	05/11/10 13:41	7440-36-0	
Arsenic	11.0 r	ng/kg	0.32	1	05/10/10 11:35	05/11/10 13:41	7440-38-2	
Barium	123 r	ng/kg	1.3	1	05/10/10 11:35	05/11/10 13:41	7440-39-3	
Beryllium	0.48 r	ng/kg	0.13	1	05/10/10 11:35	05/11/10 13:41	7440-41-7	
Boron	5. 8 r	ng/kg	3.2	1	05/10/10 11:35	05/11/10 13:41	7440-42-8	
Cadmium		ng/kg	0.13	1	05/10/10 11:35	05/11/10 13:41	7440-43-9	
Calcium	981 r	ng/kg	130	1	05/10/10 11:35	05/11/10 13:41	7440-70-2	
Chromium	11.5 r	ng/kg	0.32	1	05/10/10 11:35	05/11/10 13.41	7440-47-3	
Cobalt	8.8 r	ng/kg	0.65	1	05/10/10 11:35	05/11/10 13:41	7440-48-4	
Copper	18.8 r	ng/kg	0.65	1	05/10/10 11:35	05/11/10 13:41	7440-50-8	
Iron	18800 r	ng/kg	6.5	1	05/10/10 11:35	05/11/10 13:41	7439-89-6	
Lead	17.5 r		0.32	1	05/10/10 11:35	05/11/10 13:41	7439-92-1	
Magnesium	3130 r		32.4	1		05/11/10 13:41		
Manganese		ng/kg	0.65	1	05/10/10 11:35	05/11/10 13:41	7439-96-5	
Molybdenum		ng/kg	1.3	1	05/10/10 11:35	05/11/10 13:41	7439-98-7	
ckel	16.9 r		1.3	1		05/11/10 13:41		
∂tassium	1090 г		32.4	1		05/11/10 13.41		
Selenium		ng/kg	0.32	1		05/11/10 13:41		
Silver	0.23 r		0.13	1		05/11/10 13:41		
Sodium		mg/kg	324	1		05/11/10 13:41		
Thallium		mg/kg	1.3	1		05/11/10 13:41		
Vanadium	11.3		0.65	1		05/11/10 13:41		
Zinc	50.3 r		0.65	1	05/10/10 11:35	05/11/10 13:41	7440-66-6	
7471 Mercury	Analytical Me	ethod: EPA 747	1 Preparation Met	hod: EF	PA 7471			
Mercury	ND i	mg/kg	0.11	1	05/10/10 14:37	05/11/10 10:27	7439-97-6	
8260 MSV 5030 Low Level	Analytical Me	ethod: EPA 8260	0					
Acetone	101 ເ	ug/kg	10.2	1		05/10/10 13:37	67-64-1	
Benzene		ug/kg	5.1	1		05/10/10 13:37		
Bromochloromethane		ug/kg	5.1	1		05/10/10 13:37		
Bromodichloromethane		ug/kg	5.1	1		05/10/10 13:37		
Bromoform		ug/kg	5.1	1		05/10/10 13:37		
Bromomethane		ug/kg	5.1	1		05/10/10 13:37		
TOTAL BTEX		ug/kg	30.6	1		05/10/10 13:37		
2-Butanone (MEK)		ug/kg	10.2	1		05/10/10 13:37	78-93-3	
n-Butylbenzene		ug/kg	5.1	1		05/10/10 13:37		
sec-Butylbenzene		ug/kg	5.1	1		05/10/10 13.37		
Carbon disulfide		ug/kg	5.1	1		05/10/10 13:37		
Carbon tetrachloride		ug/kg	5.1	1		05/10/10 13:37		
Chlorobenzene		ug/kg	5.1	1		05/10/10 13:37		
Chloroethane		ug/kg	5.1	1		05/10/10 13:37		
Chloroform		ug/kg	5.1	1		05/10/10 13:37		
Chloromethane		ug/kg	5.1	1		05/10/10 13:37		

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REPORT OF LABORATORY ANALYSIS

Page 23 of 107

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CABOT-EPA 006961



ANALYTICAL RESULTS

Project: 2H/4H 39938634.00017

Pace Project No.: 3027322

Sample: UG Sump-Sed Results reported on a "dry-weight"	Lab ID: 302732200	7 Collected: 05/06/	10 15:00	Received:	05/08/10 09.07	Matrix: Solid	
Parameters	Results Uni	ts Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5030 Low Level	Analytical Method: EP	A 8260					
Dibromochloromethane	ND ug/kg	5.1	1		05/10/10 13:3	7 124-48-1	
1,2-Dichlorobenzene	ND ug/kg	5.1	1		05/10/10 13:3	7 95-50-1	
1,3-Dichlorobenzene	ND ug/kg	5.1	1		05/10/10 13:3	7 541-73-1	
1,4-Dichlorobenzene	ND ug/kg	5.1	1		05/10/10 13:3	7 106-46-7	
1,1-Dichloroethane	ND ug/kg	5.1	1		05/10/10 13:3	7 75-34-3	
1,2-Dichloroethane	ND ug/kg	5.1	1		05/10/10 13:3	7 107-06-2	
1,2-Dichloroethene (Total)	ND ug/kg	10.2	1		05/10/10 13:3	7 540-59-0	
1,1-Dichloroethene	ND ug/kg	5.1	1		05/10/10 13:3	7 75-35-4	
cis-1,2-Dichloroethene	ND ug/kg	5.1	1		05/10/10 13:3	7 156-59-2	
trans-1,2-Dichloroethene	ND ug/kg	5.1	1		05/10/10 13:3	7 156-60-5	
1,2-Dichloropropane	ND ug/kg	5.1	1		05/10/10 13:3	7 78-87-5	
cis-1,3-Dichloropropene	ND ug/kg	5.1	1		05/10/10 13:3	7 10061-01-5	
trans-1,3-Dichloropropene	ND ug/kg	5.1	1		05/10/10 13:3	7 10061-02-6	
Ethylbenzene	ND ug/kg	5.1	1		05/10/10 13:3	7 100-41-4	
2-Hexanone	ND ug/kg	10.2	1		05/10/10 13:3	7 591-78-6	
Isopropylbenzene (Cumene)	ND ug/kg	5.1	1		05/10/10 13:3	7 98-82-8	
p-Isopropyltoluene	ND ug/kg	5.1	1		05/10/10 13.3	7 99-87-6	
Methylene Chloride	ND ug/kg	5.1	1		05/10/10 13.3	7 75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/kg	10.2	1		05/10/10 13:3	7 108-10-1	
Methyl-tert-butyl ether	ND ug/kg	5.1	1			7 1634-04-4	
Naphthalene	ND ug/kg	51	1		05/10/10 13:3		
n-Propylbenzene	ND ug/kg	5.1	1		05/10/10 13:3		
Styrene	ND ug/kg	5.1	1		05/10/10 13:3		
1,1,2,2-Tetrachloroethane	ND ug/kg	5.1	1		05/10/10 13:3		
Tetrachloroethene	ND ug/kg	5.1	1		05/10/10 13:3		
Toluene	ND ug/kg	5.1	1		05/10/10 13:3		
1,2,4-Trichlorobenzene	ND ug/kg	51	1		05/10/10 13:3		
1,1,1-Trichloroethane	ND ug/kg	5.1	1		05/10/10 13:3		
1,1,2-Trichloroethane	ND ug/kg	51	1		05/10/10 13:3		
Trichloroethene	ND ug/kg	5.1	1		05/10/10 13:3		
1,2,4-Trimethylbenzene	ND ug/kg	5.1	1		05/10/10 13:3		
1,3,5-Trimethylbenzene	ND ug/kg	5.1	1		05/10/10 13:3		
Vinyl chloride	ND ug/kg	5.1	1		05/10/10 13:3		
Xylene (Total)	ND ug/kg	15 3	1		05/10/10 13:3		
m&p-Xylene	ND ug/kg	10.2	1			7 179601-23-1	
o-Xylene	ND ug/kg	5.1	1		05/10/10 13:3		
Toluene-d8 (S)	87 %	70-130	1			7 2037-26-5	
4-Bromofluorobenzene (S)	103 %	70-130	1		05/10/10 13:3		
1,2-Dichloroethane-d4 (S)	112 %	70-130	1			7 17060-07-0	
Percent Moisture	Analytical Method: AS	TM D2974-87					
Percent Moisture	15.3 %	0.10	1		05/12/10 14:2	2	
9034 Sulfide	Analytical Method: EP	A 9034					
Sulfide	ND mg/kg	11.8	1		05/12/10 19 5	0	

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REPORT OF LABORATORY ANALYSIS

Page 24 of 107

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CABOT-EPA 006962



ANALYTICAL RESULTS

Project: 2H/4H 39938634.00017

Pace Project No.: 3027322

Sample: UG Sump-Sed	Lab ID:	3027322008	Collected: 05/06	/10 15:00	Received: 0	5/08/10 09:07	Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
5540C MBAS Surfactants	Analytical	Method: SM 554	40C					
Surfactants	N	D mg/L	0.10	1		05/13/10 14:2	5	3c
4500 Chloride	Analytica	Method: SM 456	00-CI-E					
Chloride	N	D mg/L	3.0	1		05/12/10 20:2	2 16887-00-6	

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REPORT OF LABORATORY ANALYSIS

Page 25 of 107

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CABOT-EPA 006963



ANALYTICAL RESULTS

2H/4H 39938634.00017 Project:

Pace Project No.: 3027322

Sample: Upstream	Lab ID: 302732	2009 Colle	cted: 05/06/	10 15:45	Received: 05	/08/10 09:07	Matrix: Water	
Parameters	Results	Units F	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method.	EPA 6010B P	reparation Me	ethod: EF	PA 3005			
Aluminum	ND ug/L		50.0	1	05/10/10 13:00	05/13/10 11:58	7429-90-5	
Antimony	ND ug/L		5.0	1	05/10/10 13.00	05/13/10 11:58	7440-36-0	
Arsenic	ND ug/L		5.0	1	05/10/10 13:00	05/13/10 11:58	7440-38-2	
Barium	29.8 ug/L		10.0	1	05/10/10 13:00	05/13/10 11:58	7440-39-3	
Beryllium	ND ug/L		1.0	1	05/10/10 13:00	05/13/10 11:58	7440-41-7	
Boron	ND ug/L		50.0	1	05/10/10 13.00	05/13/10 11:58	7440-42-8	
Cadmium	ND ug/L		10	1	05/10/10 13:00	05/13/10 11:58	7440-43-9	
Calcium	27200 ug/L		1000	1	05/10/10 13:00	05/13/10 11:58	7440-70-2	
Chromium	ND ug/L		5.0	1	05/10/10 13:00	05/13/10 11:58	7440-47-3	
Cobalt	ND ug/L		5.0	1	05/10/10 13:00	05/13/10 11:58	7440-48-4	
Copper	ND ug/L		5.0	1	05/10/10 13:00	05/13/10 11:58	7440-50-8	
Iron	309 ug/L		50.0	1	05/10/10 13:00	05/13/10 11:58	7439-89-6	
Lead	ND ug/L		2.0	1	05/10/10 13:00	05/13/10 11:58	7439-92-1	
Magnesium	5370 ug/L		200	1	05/10/10 13:00	05/13/10 11:58	7439-95-4	
Manganese	485 ug/L		5.0	1	05/10/10 13.00	05/13/10 11:58	7439-96-5	
Molybdenum	ND ug/L		20.0	1	05/10/10 13:00	05/13/10 11:58	7 43 9- 98- 7	
Nickel	ND ug/L		10.0	1	05/10/10 13:00	05/13/10 11:58	7440-02-0	
Potassium	874 ug/L		500	1	05/10/10 13.00	05/13/10 11:58	7440-09-7	
Selenium	ND ug/L		5.0	1	05/10/10 13:00	05/13/10 11:58	7782-49-2	
Silver	ND ug/L		1.0	1	05/10/10 13:00	05/13/10 11:58	7440-22-4	
Sodium	74700 ug/L		1000	1	05/10/10 13:00	05/13/10 11:58	7440-23-5	
Thallium	ND ug/L		10.0	1	05/10/10 13:00			
Vanadium	ND ug/L		5.0	1	05/10/10 13:00			
Zinc	ND ug/L		10.0	1	05/10/10 13:00	05/13/10 11:58	7440-66-6	
6010 MET ICP, Lab Filtered	Analytical Method.	EPA 6010 Pre	eparation Met	hod: EPA	3005			
Aluminum, Dissolved	ND ug/L		50.0	1	05/11/10 14:24	05/12/10 12:36	7429-90-5	
Antimony, Dissolved	ND ug/L		5.0	1	05/11/10 14:24	05/12/10 12:36	7440-36-0	
Arsenic, Dissolved	ND ug/L		5.0	1	05/11/10 14:24			
Barium, Dissolved	28.3 ug/L		10.0	1	05/11/10 14:24			
Beryllium, Dissolved	ND ug/L		1.0	1	05/11/10 14:24			
Boron, Dissolved	ND ug/L		50.0	1	05/11/10 14:24			
Cadmium, Dissolved	ND ug/L		1.0	1	05/11/10 14:24			
Calcium, Dissolved	26500 ug/L		1000	1	05/11/10 14:24			
Chromium, Dissolved	ND ug/L		50	1	05/11/10 14:24			
Cobalt, Dissolved	ND ug/L		50	1	05/11/10 14:24			
Copper, Dissolved	ND ug/L		5.0	1	05/11/10 14:24			
Iron, Dissolved	128 ug/L		50.0	1	05/11/10 14:24			
Lead, Dissolved	2.9 ug/L		2.0	i	05/11/10 14:24			
Magnesium, Dissolved	5180 ug/L		200	i	05/11/10 14.24			
Manganese, Dissolved	439 ug/L		5.0	1	05/11/10 14:24			
Molybdenum, Dissolved	ND ug/L		20.0	1	05/11/10 14:24			
Nickel, Dissolved	ND ug/L		10.0	1	05/11/10 14:24			
indicity biddelited	826 ug/L		500	1	05/11/10 14:24			
Potassium Dissolved				(3311110 17.24	20112110 12.00	1-4-10-00-1	
Potassium, Dissolved	•			1	05/11/10 14:24	05/12/10 12:36	7782-49-2	
Potassium, Dissolved Selenium, Dissolved Silver, Dissolved	ND ug/L ND ug/L		5.0 1.0	1 1	05/11/10 14:24 05/11/10 14:24			

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REPORT OF LABORATORY ANALYSIS

Page 26 of 107

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CABOT-EPA 006964



ANALYTICAL RESULTS

Project: 2H/4H 39938634.00017

Pace Project No.: 3027322

Sample: Upstream	Lab ID: 3027322009	Collected: 05/06/10	15:45	Received: 05	/08/10 09:07 N	latrix: Water	
Parameters	Results Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qua
6010 MET ICP, Lab Filtered	Analytical Method: EPA 6010	Preparation Metho	od: EP/	A 3005			
Thallium, Dissolved	ND ug/L	10.0	1	05/11/10 14:24	05/12/10 12:36	7440-28-0	
Vanadium, Dissolved	ND ug/L	5.0	1	05/11/10 14:24	05/12/10 12:36	7440-62-2	
Zinc, Dissolved	ND ug/L	10 0	1	05/11/10 14:24	05/12/10 12:36	7440-66-6	
7470 Mercury	Analytical Method: EPA 7470	Preparation Metho	od: EP/	A 7470			
Mercury	ND ug/L	0.20	1	05/11/10 11:36	05/12/10 07:37	7439-97-6	
7470 Mercury, Lab Filtered	Analytical Method: EPA 7470	Preparation Metho	od: EP/	A 7470			
Mercury, Dissolved	ND ug/L	0.20	1	05/11/10 11:37	05/12/10 08:30	7439-97-6	
8260 MSV	Analytical Method. EPA 8260)					
1,1,1-Trichloroethane	ND ug/L	1.0	1		05/10/10 19:03		
1,1,2,2-Tetrachloroethane	ND ug/L	1.0	1		05/10/10 19:03	79-34-5	
1,1,2-Trichloroethane	ND ug/L	1.0	1		05/10/10 19.03	79-00-5	
1,1-Dichloroethane	ND ug/L	10	1		05/10/10 19.03	75-34-3	
1,1-Dichloroethene	ND ug/L	1.0	1		05/10/10 19:03	75-35-4	
2,4-Trichlorobenzene	ND ug/L	1.0	1		05/10/10 19:03	120-82-1	
:,4-Trimethylbenzene	ND ug/L	1.0	1		05/10/10 19.03	95-63-6	
ı,2-Dichlorobenzene	ND ug/L	1.0	1		05/10/10 19:03	95-50-1	
1,2-Dichloroethane	ND ug/L	1.0	1		05/10/10 19:03	107-06-2	
1,2-Dichloroethene (Total)	ND ug/L	2.0	1		05/10/10 19:03	540-59-0	
1,2-Dichloropropane	ND ug/L	1.0	1		05/10/10 19:03	78-87-5	
1,3,5-Trimethylbenzene	ND ug/L	1.0	1		05/10/10 19.03	108-67-8	
1,3-Dichlorobenzene	ND ug/L	10	1		05/10/10 19:03	541-73-1	
1,4-Dichlorobenzene	ND ug/L	1.0	1		05/10/10 19:03	106-46-7	
2-Butanone (MEK)	ND ug/L	10.0	1		05/10/10 19:03	78-93-3	
2-Hexanone	ND ug/L	10 0	1		05/10/10 19:03	591-78-6	
4-Methyl-2-pentanone (MiBK)	ND ug/L	10.0	1		05/10/10 19:03	108-10-1	
Acetone	ND ug/L	10.0	1		05/10/10 19:03		
Benzene	ND ug/L	1.0	1		05/10/10 19.03		
Bromochloromethane	ND ug/L	1.0	1		05/10/10 19:03	74-97-5	
Bromodichloromethane	ND ug/L	1.0	1		05/10/10 19:03	75-27-4	
Bromoform	ND ug/L	1.0	1		05/10/10 19.03		
Bromomethane	ND ug/L	1.0	1		05/10/10 19 03		
Carbon disulfide	ND ug/L	1.0	1		05/10/10 19.03		
Carbon tetrachloride	ND ug/L	1.0	1		05/10/10 19:03		
Chlorobenzene	ND ug/L	1.0	1		05/10/10 19:03		
Chloroethane	ND ug/L	1.0	1		05/10/10 19:03		
Chloroform	ND ug/L	1.0	1		05/10/10 19.03		
Chloromethane	ND ug/L	1.0	1		05/10/10 19:03		
Dibromochloromethane	ND ug/L	1.0	1		05/10/10 19.03		
Ethylbenzene	ND ug/L	1.0	1		05/10/10 19.03		
Isopropylbenzene (Cumene)	ND ug/L	1.0	1		05/10/10 19:03		
Methyl-tert-butyl ether	ND ug/L	1.0	1		05/10/10 19:03		
Methylene Chloride	ND ug/L	1.0	1		05/10/10 19:03		
Naphthalene	ND ug/L	2.0	1		05/10/10 19:03		

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REPORT OF LABORATORY ANALYSIS

Page 27 of 107

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CABOT-EPA 006965



Pace Analytical Services, Inc. 1638 Roseytown Road - Suites 2,3,4

(724)850-5600

Greensburg, PA 15601

ANALYTICAL RESULTS

Project.

2H/4H 39938634.00017

Pace Project No.: 3027322

Sample: Upstream		322009 Coll-	ected: 05/06/1	0 10.40	Neceiveu. U	5/08/10 09:07	Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
3260 MSV	Analytical Metho	od: EPA 8260						
Styrene	ND ug/L	-	1.0	1		05/10/10 19:03	3 100-42-5	
Tetrachloroethene	ND ug/L	-	1.0	1		05/10/10 19:0	3 127-18-4	
Toluene	ND ug/L	-	1.0	1		05/10/10 19:0		
Trichloroethene	ND ug/L		1.0	1		05/10/10 19:0		
Vinyl chloride	ND ug/L		1.0	1		05/10/10 19:03		
Xylene (Total)	ND ug/L		3.0	1		05/10/10 19:03		
cis-1,2-Dichloroethene	ND ug/L		1.0	1		05/10/10 19:03		
cis-1,3-Dichloropropene	ND ug/L		1.0	1		05/10/10 19:03		
m&p-Xylene	ND ug/L		20	1			3 179601-23-1	
n-Butylbenzene	ND ug/L		1.0	1		05/10/10 19:03		
n-Propylbenzene	ND ug/L		1.0	1		05/10/10 19:03		
o-Xylene	ND ug/L		1.0	1		05/10/10 19:03		
o-Isopropyltoluene	ND ug/L		1.0	1		05/10/10 19:03		
sec-Butylbenzene	ND ug/L		1.0	1		05/10/10 19:03		
trans-1,2-Dichloroethene	ND ug/L		1.0	1		05/10/10 19:03		
rans-1,3-Dichloropropene	ND ug/L 96 %	-	1.0 70-130	1 1		05/10/10 19:03		
4-Bromofluorobenzene (S)	**					05/10/10 19:03		
1,2-Dichloroethane-d4 (S)	118 % 98 %		70-130 70-130	1		05/10/10 19:03		
Toluene-d8 (S)	•		70-130	1		05/10/10 19:03	3 2037-20-3	
2540C Total Dissolved Solids	Analytical Metho							
Total Dissolved Solids	209 mg/	L	10.0	1		05/12/10 21:13	2	
2540D Total Suspended Solids	Analytical Metho	od: SM 2540D						
Total Suspended Solids	15.0 mg/	L	4.0	1		05/10/10 21:20	0	
5540C MBAS Surfactants	Analytical Metho	od: SM 5540C						
Surfactants	ND mg/	L	0.10	1		05/13/10 14:2	5	2c
9034 Sulfide Water	Analytical Metho	od: EPA 9034						
Sulfide	ND mg/	L	1.0	1		05/12/10 23:4	0	
4500 Chloride	Analytical Metho	od: SM 4500-CI-	E					
Chloride	81.6 mg/		3.0	1		05/12/10 20:2:	3 16887-00-6	

Date: 06/15/2010 04:57 PM

REPORT OF LABORATORY ANALYSIS

Page 28 of 107

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CABOT-EPA 006966



ANALYTICAL RESULTS

Project: 2H/4H 39938634.00017

Pace Project No.: 3027322

Sample: Downstream	Lab ID: 3027	322010	Collected: 05/06/	10 16:0	0 Received: 05	/08/10 09 [.] 07 N	latrix: Water	
Parameters	Resuits	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Meth	od: EPA 601	IOB Preparation M	ethod: E	PA 3005			
Aluminum	91.9 ug	Ľ	50 0	1	05/10/10 13:00	05/13/10 12.01	7429-90-5	
Antimony	ND ug	'L	5.0	1	05/10/10 13:00	05/13/10 12:01	7440-36-0	
Arsenic	ND ug	′L	5.0	1	05/10/10 13:00	05/13/10 12:01	7440-38-2	
Barium	30.8 ug		10.0	1	05/10/10 13:00	05/13/10 12:01	7440-39-3	
Beryllium	ND ug.	′L	1.0	1	05/10/10 13:00	05/13/10 12:01	7440-41-7	
Boron	ND ug		50.0	1	05/10/10 13:00	05/13/10 12:01	7440-42-B	
Cadmium	ND ug		1.0	1	05/10/10 13:00	05/13/10 12:01	7440-43-9	
Calcium	27200 ug		1000	1		05/13/10 12:01		
Chromium	ND ug		5.0	1		05/13/10 12:01		
Cobalt	ND ug		5.0	1		05/13/10 12:01		
Copper	ND ug		5.0			05/13/10 12:01		
Iron	356 ug		50.0			05/13/10 12:01		
Lead	ND ug		2.0	1		05/13/10 12:01		
Magnesium	5610 ug		200			05/13/10 12:01		
Manganese	204 ug		50	1		05/13/10 12:01		
Molybdenum	ND ug		20.0			05/13/10 12:01		
·			10.0			05/13/10 12:01		
Nickel	ND ug		500			05/13/10 12:01		
tassium	1460 ug							
alenium	ND ug		5.0			05/13/10 12.01		
Silver	ND ug		1.0			05/13/10 12:01		
Sodium	74100 ug		1000			05/13/10 12:01		
Thallium	ND ug		10.0			05/13/10 12:01		
Vanadium	ND ug		5.0			05/13/10 12.01		
Zinc	ND ug	/L	10.0	1	05/10/10 13:00	05/13/10 12:01	7440-66-6	
6010 MET ICP, Lab Filtered	Analytical Meth	nod: EPA 60	10 Preparation Me	thod: El	PA 3005			
Aluminum, Dissolved	ND ug	/L	50.0	1	05/11/10 14:24	05/12/10 12:39	7429-90-5	
Antimony, Dissolved	ND ug	/L	5.0	1	05/11/10 14:24	05/12/10 12:39	7440-36-0	
Arsenic, Dissolved	ND ug	/L	5.0	1	05/11/10 14:24	05/12/10 12:39	7440-38-2	
Barium, Dissolved	25.8 ug	/L	10.0	1	05/11/10 14:24	05/12/10 12 39	7440-39-3	
Beryllium, Dissolved	ND ug	/L	1.0	1	05/11/10 14:24	05/12/10 12:39	7440-41-7	
Boron, Dissolved	ND ug	/L	50.0	1	05/11/10 14.24	05/12/10 12:39	7440-42-8	
Cadmium, Dissolved	ND ug	/L	1.0	1	05/11/10 14:24	05/12/10 12.39	7440-43-9	
Calcium, Dissolved	24200 ug		1000	1	05/11/10 14:24	05/12/10 12:39	7440-70-2	
Chromium, Dissolved	ND ug		5 .0	1		05/12/10 12:39		
Cobalt, Dissolved	ND ug		5.0			05/12/10 12:39		
Copper, Dissolved	ND ug		5.0		-	05/12/10 12:39		
Iron, Dissolved	105 ug		50 0			05/12/10 12:39		
Lead, Dissolved	ND ug		2.0			05/12/10 12:39		
Magnesium, Dissolved	4940 ug		200			05/12/10 12:39		
Manganese, Dissolved	110 ug		5.0			05/12/10 12:39		
_	ND ug		20.0			05/12/10 12:39		
Molybdenum, Dissolved	•		20.0 10.0			05/12/10 12:39		
Nickel, Dissolved	ND ug							
Potassium, Dissolved	1270 ug		500			05/12/10 12:39		
Selenium, Dissolved	ND ug		5.0			05/12/10 12:39		
Silver, Dissolved	ND ug		1.0			05/12/10 12:39		
Sodium, Dissolved	68500 ug	/L	10 00	1	05/11/10 14:24	05/12/10 12:39	7440-23-5	

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REPORT OF LABORATORY ANALYSIS

Page 29 of 107

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CABOT-EPA 006967



ANALYTICAL RESULTS

Project: 2H/4H 39938634.00017

Pace Project No.: 3027322

Sample: Downstream	Lab ID: 302	7322010	Collected: 05/06/1	10 16 0 0	Received: 05	/08/10 09:07 N	latrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Lab Filtered	Analytical Meth	nod: EPA 60	010 Preparation Met	hod. EP	A 3005			
Thallium, Dissolved	ND ug	/L	10.0	1	05/11/10 14:24	05/12/10 12:39	7440-28-0	
Vanadium, Dissolved	ND ug	/L	5.0	1	05/11/10 14:24	05/12/10 12:39	7440-62-2	
Zinc, Dissolved	ND ug	/L	10.0	1	05/11/10 14:24	05/12/10 12:39	7440-66-6	
7470 Mercury	Analytical Meth	nod: EPA 74	470 Preparation Met	hod: EP	A 7470			
Mercury	ND ug	/L	0.20	1	05/11/10 11:36	05/12/10 07:39	7439-97-6	
7470 Mercury, Lab Filtered	Analytical Meth	nod: EPA 74	470 Preparation Met	hod. EP	A 7470			
Mercury, Dissolved	ND ug	/L	0.20	1	05/11/10 11:37	05/12/10 08:31	7439-97-6	
8260 MSV	Analytical Meth	nod: EPA 82	260					
1,1,1-Trichloroethane	ND ug	/L	1.0	1		05/10/10 19.29	71-55-6	
1,1,2,2-Tetrachloroethane	ND ug	/L	1.0	1		05/10/10 19.29	79-34-5	
1,1,2-Trichloroethane	ND ug	/L	1.0	1		05/10/10 19.29	79-00-5	
1,1-Dichloroethane	ND ug	/L	1.0	1		05/10/10 19:29	75-34-3	
1,1-Dichloroethene	ND ug	/L	1.0	1		05/10/10 19:29	75-35-4	
1,2,4-Trichlorobenzene	ND ug	/L	1.0	1		05/10/10 19:29	120-82-1	
1,2,4-Trimethylbenzene	ND ug	/L	1.0	1		05/10/10 19:29	95-63-6	
1,2-Dichlorobenzene	ND ug	/L	1.0	1		05/10/10 19:29	95-50-1	
1,2-Dichloroethane	ND ug	/L	1.0	1		05/10/10 19:29	107-06-2	
1,2-Dichloroethene (Total)	ND ug	/L	2.0	1		05/10/10 19:29	540-59-0	
1,2-Dichloropropane	ND ug	/L	1.0	1		05/10/10 19:29	78-87-5	
1,3,5-Trimethylbenzene	ND ug	/L	1.0	1		05/10/10 19:29	108-67-8	
1,3-Dichlorobenzene	ND ug	/L	1.0	1		05/10/10 19:29	541-73-1	
1,4-Dichlorobenzene	ND ug	/L	1.0	1		05/10/10 19:29	106-46-7	
2-Butanone (MEK)	ND ug	/L	10.0	1		05/10/10 19:29	78-93-3	
2-Hexanone	ND ug	/L	10 .0	1		05/10/10 19.29	591-78-6	
1-Methyl-2-pentanone (MIBK)	ND ug	/L	10.0	1		05/10/10 19:29	108-10-1	
Acetone	ND ug	/L	10.0	1		05/10/10 19 29	67-64-1	
Benzene	ND ug	/L	1.0	1		05/10/10 19:29	71-43-2	
Bromochloromethane	ND ug		1.0	1		05/10/10 19:29		
Bromodichloromethane	ND ug	/L	1.0	1		05/10/10 19:29	75-27-4	
Bromoform	ND ug	/L	1.0	1		05/10/10 19:29	75-25-2	
Bromomethane	ND ug		1.0	1		05/10/10 19:29		
Carbon disulfide	ND ug		1.0	1		05/10/10 19:29		
Carbon tetrachloride	ND ug		1.0	1		05/10/10 19:29		
Chlorobenzene	ND ug		1.0	1		05/10/10 19:29		
Chloroethane	ND ug		1.0	1		05/10/10 19:29		
Chloroform	ND ug		1.0	1		05/10/10 19.29		
Chloromethane	ND ug		1.0	1		05/10/10 19:29		
Dibromochloromethane	ND ug		1.0	1		05/10/10 19.29		
Ethylbenzene	ND ug		1.0	1		05/10/10 19:29		
Isopropylbenzene (Cumene)	ND ug		1.0	1		05/10/10 19:29		
Methyl-tert-butyl ether	ND ug		1.0	1		05/10/10 19:29		
Methylene Chloride	ND ug		1.0	1		05/10/10 19:29		
Naphthalene	ND ug		2.0	1		05/10/10 19:29		

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REPORT OF LABORATORY ANALYSIS

Page 30 of 107

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CABOT-EPA 006968



ANALYTICAL RESULTS

Project:

2H/4H 39938634.00017

Sample: Downstream	Lab ID: 3027322010 C	ollected: 05/06/10	16:00	Received: 05/08/10 09:0	7 Matrix: Water	
Parameters	Results Units	Report Limit	DF	Prepared Analyz	ed CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260					
Styrene	ND ug/L	1.0	1	05/10/10 1	9:29 100-42-5	
Tetrachloroethene	ND ug/L	1.0	1	05/10/10 1	9:29 127-18-4	
Toluene	ND ug/L	1.0	1		9:29 108-88-3	
Trichloroethene	ND ug/L	1.0	1		9:29 79-01-6	
Vinyl chloride	ND ug/L	1.0	1		9:29 75-01-4	
Xylene (Total)	ND ug/L	3.0	1		9.29 1330-20-7	
cis-1,2-Dichloroethene	ND ug/L	1.0	1		9:29 156-59-2	
cis-1,3-Dichloropropene	ND ug/L	1.0	1		9:29 10061-01-5	
m&p-Xylene	ND ug/L	2.0	1		9:29 179601-23-1	
n-Butylbenzene	ND ug/L	1.0	1		9:29 104-51-8	
n-Propylbenzene	ND ug/L	1.0	1		9:29 103-65-1	
o-Xylene	ND ug/L	1.0 1.0	1		9:29 95-47-6	
p-Isopropyltoluene	ND ug/L ND ug/L	1.0	1		9:29 99-87-6 9:29 135-98-8	
sec-Butylbenzene trans-1,2-Dichloroethene	ND ug/L ND ug/L	1.0	1		19:29 156-60-5	
trans-1,3-Dichloropropene	ND ug/L	1.0	1		19.29 10061-02-6	
4-Bromofluorobenzene (S)	95 %	70-130	1		19:29 460-00-4	
2-Dichloroethane-d4 (S)	119 %	70-130	1		19:29 17060-07-0	
Juene-d8 (S)	94 %	70-130	1		9.29 2037-26-5	
2540C Total Dissolved Solids	Analytical Method: SM 2540C	:				
Total Dissolved Solids	220 mg/L	10.0	1	05/12/10 2	21:12	
2540D Total Suspended Solids	Analytical Method: SM 2540D)				
Total Suspended Solids	4.0 mg/L	4.0	1	05/10/10 2	21:20	
5540C MBAS Surfactants	Analytical Method ⁻ SM 55400	;				
Surfactants	ND mg/L	0.10	1	05/13/10 ·	14:25	2c
9034 Sulfide Water	Analytical Method ⁻ EPA 9034					
Sulfide	ND mg/L	1.0	1	05/12/10 2	23:40	
4500 Chloride	Analytical Method: SM 4500-0	CI-E				
Chloride	83.3 mg/L	3.0	1	05/12/10 2	20.24 16887-00-6	

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REPORT OF LABORATORY ANALYSIS

Page 31 of 107

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CABOT-EPA 006969



ANALYTICAL RESULTS

Project: 2H/4H 39938634.00017

Pace Project No.: 3027322

Sample: SR29E-CUL	Lab ID: 302732	2011 Collected: 05/06/	10 15:15	Received: 05	/08/10 09:07 N	latrix: Water	
Parameters	Results	Units Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method:	EPA 6010B Preparation Me	ethod: El	PA 3005			
Aluminum	2360 ug/L	50.0	1	05/10/10 13:00	05/13/10 12:22	7429-90-5	
Antimony	ND ug/L	5.0	1	05/10/10 13:00	05/13/10 12:22	7440-36-0	
Arsenic	7.5 ug/L	5.0	1	05/10/10 13:00	05/13/10 12:22	7440-38-2	
Barium	170 ug/L	10.0	1	05/10/10 13:00	05/13/10 12:22	7440-39-3	
Beryllium	ND ug/L	1.0	1	05/10/10 13:00	05/13/10 12:22	7440-41-7	
Boron	ND ug/L	50.0	1	05/10/10 13:00	05/13/10 12:22	7440-42-8	
Cadmium	ND ug/L	1.0	1	05/10/10 13:00	05/13/10 12:22	7440-43-9	
Calcium	33200 ug/L	1000	1	05/10/10 13:00	05/13/10 12:22	7440-70-2	
Chromium	ND ug/L	5.0	1	05/10/10 13:00	05/13/10 12:22	7440-47-3	
Cobalt	ND ug/L	5.0	1	05/10/10 13:00	05/13/10 12:22	7440-48-4	
Copper	ND ug/L	5.0	1	05/10/10 13:00	05/13/10 12:22	7440-50-8	
Iron	2990 ug/L	50.0	1	05/10/10 13:00	05/13/10 12:22	7439-89-6	
Lead	3.2 ug/L	2.0	1	05/10/10 13:00	05/13/10 12:22	7439-92-1	
Magnesium	7160 ug/L	200	1	05/10/10 13:00	05/13/10 12:22	7439-95-4	
Manganese	741 ug/L	5.0	1	05/10/10 13:00	05/13/10 12.22	7439-96-5	
Molybdenum	ND ug/L	20.0	1	05/10/10 13:00	05/13/10 12:22	7439-98-7	
Nickel	ND ug/L	10.0	1	05/10/10 13:00	05/13/10 12:22	7440-02-0	
Potassium	3850 ug/L	500	1	05/10/10 13:00	05/13/10 12:22	7440-09-7	
Selenium	ND ug/L	5.0	1	05/10/10 13:00	05/13/10 12:22	7782-49-2	
Silver	ND ug/L	1.0	1	05/10/10 13:00	05/13/10 12:22	7440-22-4	
Sodium	82700 ug/L	1000	1		05/13/10 12:22		
Thallium	ND ug/L	10.0	1		05/13/10 12:22		
Vanadium	ND ug/L	50	1		05/13/10 12:22		
Zinc	28.6 ug/L.	10.0	1		05/13/10 12:22		
6010 MET ICP, Lab Filtered	Analytical Method:	EPA 6010 Preparation Met	hod: EP/	A 3005			
Aluminum, Dissolved	ND ug/L	50.0	1	05/11/10 14:24	05/12/10 12.42	7429-90-5	
Antimony, Dissolved	ND ug/L	5.0	1		05/12/10 12:42		
Arsenic, Dissolved	ND ug/L	5.0	1		05/12/10 12:42		
Barium, Dissolved	71.4 ug/L	10 0	1		05/12/10 12:42		
Beryllium, Dissolved	ND ug/L	1.0	1		05/12/10 12:42		
Boron, Dissolved	ND ug/L	50.0	1	05/11/10 14:24	05/12/10 12:42	7440-42-8	
Cadmium, Dissolved	ND ug/L	1.0	1		05/12/10 12:42		
Calcium, Dissolved	32300 ug/L	1000	1		05/12/10 12:42		
Chromium, Dissolved	ND ug/L	50	1		05/12/10 12:42		
Cobalt, Dissolved	ND ug/L	5.0	1		05/12/10 12:42		
Copper, Dissolved	6.7 ug/L	5.0	1		05/12/10 12:42		
Iron, Dissolved	88.8 ug/L	50.0	1		05/12/10 12:42		
Lead, Dissolved	2.1 ug/L	2.0	1		05/12/10 12:42		
Magnesium, Dissolved	6450 ug/L	200	1		05/12/10 12:42		
Manganese, Dissolved	731 ug/L	5.0	i		05/12/10 12:42		
Molybdenum, Dissolved	ND ug/L	20.0	i		05/12/10 12:42		
	-	10.0	i		05/12/10 12:42		
•	ND un/l			00/11/10 17.24	00/12/10 12:42	, ¬¬-0-02-0	
Nickel, Dissolved	ND ug/L 3010 ug/l		4	05/11/10 14:24	05/10/10 10 40	7440-00-7	
Nickel, Dissolved Potassium, Dissolved	3010 ug/L	500	1		05/12/10 12:42		
Nickel, Dissolved	-		1 1 1	05/11/10 14:24	05/12/10 12:42 05/12/10 12:42 05/12/10 12:42	7782-49-2	

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REPORT OF LABORATORY ANALYSIS

Page 32 of 107

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CABOT-EPA 006970



ANALYTICAL RESULTS

Project: 2H/4H 39938634.00017

Pace Project No.: 3027322

Sample: SR29E-CUL	Lab ID: 3027322011	Collected: 05/06/1	10 15:15	Received: 05	/08/10 09.07	Matrix: Water	
Parameters	Results Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qua
6010 MET ICP, Lab Filtered	Analytical Method: EPA 6	010 Preparation Met	hod: EP/	A 3005			
Thallium, Dissolved	ND ug/L	10.0	1	05/11/10 14:24	05/12/10 12:42	7440-28-0	
Vanadium, Dissolved	ND ug/L	5.0	1	05/11/10 14:24	05/12/10 12:42	7440-62-2	
Zinc, Dissolved	11.4 ug/L	10.0	1	05/11/10 14:24	05/12/10 12:42	7440-66-6	
7470 Mercury	Analytical Method: EPA 7	470 Preparation Met	hod: EP/	A 7470			
Mercury	ND ug/L	0.20	1	05/11/10 11:36	05/12/10 07:44	7439-97-6	
7470 Mercury, Lab Filtered	Analytical Method: EPA 7	470 Preparation Met	hod: EP	A 7470			
Mercury, Dissolved	ND ug/L	0.20	1	05/11/10 11:37	05/12/10 08:33	7439-97-6	
8260 MSV	Analytical Method: EPA 8	260					
1,1,1-Trichloroethane	ND ug/L	1.0	1		05/10/10 19:58	71-55-6	
1,1,2,2-Tetrachloroethane	ND ug/L	1.0	1		05/10/10 19:55	79-34-5	
1,1,2-Trichloroethane	ND ug/L	1.0	1		05/10/10 19:58	79-00-5	
1,1-Dichloroethane	ND ug/L	1.0	1		05/10/10 19:5	75-34-3	
1,1-Dichloroethene	ND ug/L	1.0	1		05/10/10 19.55	75-35-4	
2,4-Trichlorobenzene	ND ug/L	1.0	1		05/10/10 19:55	120-82-1	
,4-Trimethylbenzene	ND ug/L	1.0	1		05/10/10 19:58	95-63-6	
1,2-Dichlorobenzene	ND ug/L	1.0	1		05/10/10 19:5		
1,2-Dichloroethane	ND ug/L	1.0	1		05/10/10 19:55		
1,2-Dichloroethene (Total)	ND ug/L	2.0	1		05/10/10 19:55		
1,2-Dichloropropane	ND ug/L	1.0	1		05/10/10 19:59		
1,3,5-Trimethylbenzene	ND ug/L	1.0	1		05/10/10 19:59		
1,3-Dichlorobenzene	ND ug/L	1.0	i		05/10/10 19:5		
1,4-Dichlorobenzene	ND ug/L	1.0	1		05/10/10 19:59		
	ND ug/L	10.0	1		05/10/10 19:55		
2-Butanone (MEK)			1				
2-Hexanone	ND ug/L	10.0	-		05/10/10 19:5		
4-Methyl-2-pentanone (MIBK)	ND ug/L	10.0	1		05/10/10 19:59		
Acetone	24,3 ug/L	10.0	1		05/10/10 19:59		
Benzene	ND ug/L	1.0	1		05/10/10 19:5		
Bromochloromethane	ND ug/L	1.0	1		05/10/10 19:5		
Bromodichloromethane	ND ug/L	1.0	1		05/10/10 19:5		
Bromoform	ND ug/L	1.0	1		05/10/10 19.5		
Bromomethane	ND ug/L	1.0	1		05/10/10 19:5		
Carbon disulfide	ND ug/L	1.0	1		05/10/10 19:5	5 75-15-0	
Carbon tetrachloride	ND ug/L	1.0	1		05/10/10 19:55	5 56-23- 5	
Chlorobenzene	ND ug/L	1.0	1		05/10/10 19:5	5 108-90-7	
Chloroethane	ND ug/L	1.0	1		05/10/10 19:58	5 75-00-3	
Chloroform	ND ug/L	1.0	1		05/10/10 19:58	67-66-3	
Chloromethane	ND ug/L	1.0	1		05/10/10 19.5		
Dibromochloromethane	ND ug/L	1.0	1		05/10/10 19:5		
Ethylbenzene	ND ug/L	1.0	1		05/10/10 19:5		
Isopropylbenzene (Cumene)	ND ug/L	1.0	1		05/10/10 19:5		
Methyl-tert-butyl ether	ND ug/L	1.0	1		05/10/10 19:5		
Methylene Chloride	ND ug/L	1.0	1		05/10/10 19:5		
Naphthalene	ND ug/L	2.0	i		05/10/10 19:5		

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REPORT OF LABORATORY ANALYSIS

Page 33 of 107

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CABOT-EPA 006971



ANALYTICAL RESULTS

Project. 2H/4H 39938634.00017

Pace Project No.: 3027322

Sample: SR29E-CUL	Lab ID: 3027322011 Co	ollected: 05/06/10 15:	15 Received: 05/08/10 09:07 Matrix: Water
Parameters	Results Units	Report Limit DF	Prepared Analyzed CAS No. Qu
8260 MSV	Analytical Method: EPA 8260		
Styrene	ND ug/L	1.0 1	05/10/10 19:55 100-42-5
Tetrachloroethene	ND ug/L	1.0 1	05/10/10 19:55 127-18-4
Toluene	ND ug/L	1.0 1	05/10/10 19:55 108-88-3
Trichloroethene	ND ug/L	1.0 1	05/10/10 19.55 79-01-6
Vinyl chloride	ND ug/L	1.0 1	05/10/10 19:55 75-01-4
Xylene (Total)	ND ug/L	3.0 1	05/10/10 19:55 1330-20-7
cis-1,2-Dichloroethene	ND ug/L	1.0 1	05/10/10 19:55 156-59-2
cis-1,3-Dichloropropene	ND ug/L	1.0 1	05/10/10 19:55 10061-01-5
m&p-Xylene	ND ug/L	2.0 1	05/10/10 19:55 179601-23-1
n-Butylbenzene	ND ug/L	10 1	05/10/10 19:55 104-51-8
n-Propylbenzene	ND ug/L	1.0 1	05/10/10 19:55 103-65-1
o-Xylene	ND ug/L	1.0 1	05/10/10 19.55 95-47-6
p-Isopropyltoluene	ND ug/L	1.0 1	05/10/10 19:55 99-87-6
sec-Butylbenzene	ND ug/L	1.0 1	05/10/10 19:55 135-98-8
rans-1,2-Dichloroethene	ND ug/L	1.0 1	05/10/10 19:55 156-60-5
trans-1,3-Dichloropropene	ND ug/L	1.0 1	05/10/10 19.55 10061-02-6
4-Bromofluorobenzene (S)	93 %	70-130 1	05/10/10 19:55 460-00-4
1,2-Dichloroethane-d4 (S)	119 %	70-130 1	05/10/10 19.55 17060-07-0
Toluene-d8 (S)	94 %	70-130 1	05/10/10 19.55 2037-26-5
2540C Total Dissolved Solids	Analytical Method. SM 2540C		
Total Dissolved Solids	278 mg/L	10.0 1	05/12/10 21:12
2540D Total Suspended Solids	Analytical Method: SM 2540D		
Total Suspended Solids	47.0 mg/L	4.0 1	05/10/10 21:20
5540C MBAS Surfactants	Analytical Method: SM 5540C		
Surfactants	1.6 mg/L	0.10 1	05/13/10 14:25 2c
9034 Sulfide Water	Analytical Method: EPA 9034		
Sulfide	ND mg/L	1.0 1	05/12/10 23:40
4500 Chloride	Analytical Method, SM 4500-C	I-E	_
Chloride	81.2 mg/L	3.0 1	05/12/10 20:24 16887-00-6

Date: 06/15/2010 04:57 PM

REPORT OF LABORATORY ANALYSIS

Page 34 of 107

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CABOT-EPA 006972



ANALYTICAL RESULTS

Project: 2H/4H 39938634.00017

Pace Project No.: 3027322

Sample: SR29E-CUL-Sed Lab ID: 3027322012 Collected: 05/06/10 17:30 Received: 05/08/10 09:07 Matrix: Solid

Results	reported	on a	"dry-weight"	' basis
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Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Metho	d EPA 6010E	Preparation Me	thod: E	EPA 3050			
Aluminum	8860 mg/	kg	8.4	1	05/10/10 11:35	05/11/10 13:44	7429-90-5	
Antimony	ND mg/	kg	0.42	1	05/10/10 11:35	05/11/10 13:44	7440-36-0	
Arsenic	8.1 mg/	kg	0.42	1	05/10/10 11:35	05/11/10 13:44	7440-38-2	
Barium	369 mg/	kg	1.7	1	05/10/10 11:35	05/11/10 13:44	7440-39-3	
Beryllium	0.45 mg/	kg	0.17	1	05/10/10 11:35	05/11/10 13:44	7440-41-7	
Boron	7.0 mg/	kg	4.2	1	05/10/10 11:35	05/11/10 13:44	7440-42-8	
Cadmium	ND mg/	kg	0.17	1	05/10/10 11:35	05/11/10 13:44	7440-43-9	
Calcium	4940 mg/	kg	168	1	05/10/10 11:35	05/11/10 13:44	7440-70-2	
Chromium	12.1 mg/	kg	0.42	1	05/10/10 11:35	05/11/10 13:44	7440-47-3	
Cobalt	8.6 mg/	kg	0.84	1	05/10/10 11:35	05/11/10 13:44	7440-48-4	
Copper	15.7 mg/	kg	0.84	1	05/10/10 11:35	05/11/10 13:44	7440-50-8	
Iron	20900 mg/		8.4	1	05/10/10 11:35	05/11/10 13:44	7439-89-6	
Lead	15.2 mg/	kg	0.42	1	05/10/10 11:35	05/11/10 13 44	7439-92-1	
Magnesium	3560 mg/	ka	41.9	1	05/10/10 11:35	05/11/10 13:44	7439-95-4	
Manganese	707 mg/	_	0.84	1		05/11/10 13:44		
Molybdenum	ND mg/	•	1.7	1		05/11/10 13:44		
ickel	16.7 mg/	-	1.7	1		05/11/10 13.44		
otassium	1300 mg/	_	41.9	1		05/11/10 13:44		
Selenium	ND mg/	•	0 42	1		05/11/10 13.44		
Silver	0.22 mg/	•	0.17	1		05/11/10 13.44		
Sodium	ND mg/	-	419	1		05/11/10 13:44		
Thallium	ND mg/	-	1.7	1		05/11/10 13:44		
Vanadium	12.9 mg/		0.84	1		05/11/10 13:44		
Zinc	121 mg/	-	0.84	1		05/11/10 13:44		
7471 Mercury	Analytical Metho	od: EPA 7471	Preparation Met	nod: EF	PA 7471			
Mercury	ND mg/	kg	0.13	1	05/10/10 14:37	05/11/10 10:29	7439-97-6	
8260 MSV 5030 Low Level	Analytical Metho	od: EPA 8260						
Acetone	137 ug/i	κα	11.8	1		05/12/10 14:12	67-64-1	
Benzene	ND ug/l	κg	5.9	1		05/12/10 14:12	71-43-2	
Bromochloromethane	ND ug/l	•	5.9	1		05/12/10 14:12		
Bromodichloromethane	ND ug/	•	5.9	1		05/12/10 14:12		
Bromoform	ND ug/	-	5.9	1		05/12/10 14:12		
Bromomethane	ND ug/i	•	5.9	1		05/12/10 14:12		
TOTAL BTEX	ND ug/l	-	35.3	1		05/12/10 14:12		
2-Butanone (MEK)	14.1 ug/k	-	11.8	1		05/12/10 14:12	78-93-3	
n-Butylbenzene	ND ug/	-	5.9	1		05/12/10 14:12		
sec-Butylbenzene	ND ug/	_	5.9	1		05/12/10 14.12		
Carbon disulfide	10.8 ug/	_	5.9	1		05/12/10 14:12		
Carbon tetrachloride	ND ug/l	-	5.9	1		05/12/10 14:12		
Chlorobenzene	ND ug/	-	5. 9	1		05/12/10 14:12		
Chloroethane	ND ug/	-	5.9	1		05/12/10 14:12		
Chloroform	ND ug/	_	5.9	1		05/12/10 14:12		
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REPORT OF LABORATORY ANALYSIS

Page 35 of 107

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CABOT-EPA 006973



ANALYTICAL RESULTS

Project: 2H/4H 39938634.00017

Pace Project No.: 3027322

Sample: SR29E-CUL-Sed	Lab ID: 3027322012	Collected. 05/06/1	0 17:30	Received:	05/08/10 09:07	Matrix: Solid	
Results reported on a "dry-weight	" basis						
Parameters	Results Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5030 Low Level	Analytical Method: EPA 82	260					
Dibromochloromethane	ND ug/kg	5.9	1		05/12/10 14:1	2 124-48-1	
1,2-Dichlorobenzene	ND ug/kg	5.9	1		05/12/10 14:1	2 95-50-1	
1,3-Dichlorobenzene	ND ug/kg	5.9	1		05/12/10 14:1	2 541-73-1	
1,4-Dichlorobenzene	ND ug/kg	5.9	1		05/12/10 14:1	2 106-46-7	
1,1-Dichloroethane	ND ug/kg	5.9	1		05/12/10 14:1	2 75-34-3	
1,2-Dichloroethane	ND ug/kg	5.9	1		05/12/10 14:1	2 107-06-2	
1,2-Dichloroethene (Total)	ND ug/kg	11.8	1		05/12/10 14:1	2 540-59-0	
1,1-Dichloroethene	ND ug/kg	5.9	1		05/12/10 14:1	2 75-35-4	
cis-1,2-Dichloroethene	ND ug/kg	5.9	1		05/12/10 14:1	2 156-59-2	
trans-1,2-Dichloroethene	ND ug/kg	5.9	1		05/12/10 14:1	2 156-60-5	
1,2-Dichloropropane	ND ug/kg	5.9	1		05/12/10 14:1	2 78-87-5	
cis-1,3-Dichloropropene	ND ug/kg	59	1		05/12/10 14:1	2 10061-01-5	
trans-1,3-Dichloropropene	ND ug/kg	5.9	1		05/12/10 14:1	2 10061-02-6	
Ethylbenzene	ND ug/kg	5.9	1		05/12/10 14:1	2 100-41-4	
2-Hexanone	ND ug/kg	11.8	1		05/12/10 14:1		
Isopropylbenzene (Cumene)	ND ug/kg	5.9	1		05/12/10 14:1		
p-Isopropyltoluene	ND ug/kg	5.9	1		05/12/10 14:1	2 99-87-6	
Methylene Chloride	ND ug/kg	5.9	1		05/12/10 14:1		
4-Methyl-2-pentanone (MIBK)	ND ug/kg	11.8	1		05/12/10 14:1		
Methyl-tert-butyl ether	ND ug/kg	5.9	1		05/12/10 14:1		
Naphthalene	ND ug/kg	5.9	1		05/12/10 14:1		
n-Propylbenzene	ND ug/kg	5.9	1		05/12/10 14:1		
Styrene	ND ug/kg	5.9	1		05/12/10 14:1		
1,1,2,2-Tetrachloroethane	ND ug/kg	5.9	1		05/12/10 14:1		
Tetrachloroethene	ND ug/kg	5.9	1		05/12/10 14:1		
Toluene	ND ug/kg	5.9	1		05/12/10 14:1		
1,2,4-Trichlorobenzene	ND ug/kg	5.9	1		05/12/10 14:1		
1,1,1-Trichloroethane	ND ug/kg	5.9	1		05/12/10 14:1		
1,1,2-Trichloroethane	ND ug/kg	5.9	1		05/12/10 14:1		
Trichloroethene	ND ug/kg	5.9	1		05/12/10 14:1		
1,2,4-Trimethylbenzene	ND ug/kg	5.9	1		05/12/10 14:1		
1,3,5-Trimethylbenzene	ND ug/kg	5.9	1		05/12/10 14:1		
Vinyl chloride	ND ug/kg	5.9	1		05/12/10 14:1		
Xylene (Total)	ND ug/kg	17.7	1		05/12/10 14:1		
m&p-Xylene	ND ug/kg	11.8	1			2 179601-23-1	
o-Xylene	ND ug/kg	5.9	1		05/12/10 14:1		
Toluene-d8 (S)	101 %	70-130	i		05/12/10 14:1		
4-Bromofluorobenzene (S)	107 %	70-130	1		05/12/10 14:1		
1,2-Dichloroethane-d4 (S)	106 %	70-130	1			2 17060-07-0	
Percent Moisture	Analytical Method ⁻ ASTM	D2974-87					
Percent Moisture	25.5 %	0.10	1		05/12/10 14:2	:3	
9034 Sulfide	Analytical Method: EPA 9	034					
Sulfide	ND mg/kg	13.4	1		05/12/10 19:5	60	

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REPORT OF LABORATORY ANALYSIS

Page 36 of 107

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CABOT-EPA 006974



ANALYTICAL RESULTS

Project:

2H/4H 39938634.00017

Pace Project No.: 3027322

Sample: SR29E-CUL-Sed ASTM	Lab ID: 302	27322013	Collected: 05/06/	10 17:30	Received: 0	05/08/10 09:07	Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
5540C MBAS Surfactants	Analytical Me	thod: SM 5540	ос					
Surfactants	0.11 m	ıg/L	0.10	1		05/13/10 14:25	ō	3 c
4500 Chloride	Analytical Me	thod: SM 4500)-CI-E					
Chloride	3.7 m	ıg/L	3.0	1		05/12/10 20:25	16887-00-6	

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REPORT OF LABORATORY ANALYSIS

Page 37 of 107

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CABOT-EPA 006975



ANALYTICAL RESULTS

Collected: 05/06/10 18:15 Received: 05/08/10 09:07 Matrix: Solid

Lab ID: 3027322014

ND ug/kg

ND ug/kg

41.9 ug/kg

ND ug/kg

ND ug/kg

ND ug/kg

ND ug/kg

ND ug/kg

ND ug/kg

ND ug/kg

ND ug/kg

Project: 2H/4H 39938634.00017

Results reported on a "dry-weight" basis

Pace Project No.: 3027322

Sample: Upstream-Sed

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Meth	od: EPA 6010B	Preparation Me	ethod: E	PA 3050			
Aluminum	14100 mg	g/kg	12.9	1	05/10/10 11:35	05/11/10 13 ⁻ 47	7429-90-5	
Antimony	ND mg	/kg	0.65	1	05/10/10 11:35	05/11/10 13:47	7440-36-0	
Arsenic	12.5 mg	g/kg	0.65	1	05/10/10 11:35	05/11/10 13:47	7440-38-2	
Barium	89.1 mg	j/kg	2.6	1	05/10/10 11:35	05/11/10 13:47	7440-39-3	
Beryllium	0.50 mg	j/kg	0.26	1	05/10/10 11:35	05/11/10 13:47	7440-41-7	
Boron	7.9 mg	j/kg	6.5	1	05/10/10 11:35	05/11/10 13:47	7440-42-8	
Cadmium	ND mg	J/kg	0.26	1	05/10/10 11:35	05/11/10 13:47	7440-43-9	
Calcium	2230 mg	/kg	259	1	05/10/10 11:35	05/11/10 13:47	7440-70-2	
Chromium	13.1 mg	g/kg	0.65	1	05/10/10 11:35	05/11/10 13:47	7440-47-3	
Cobalt	8.3 mg	/kg	1.3	1	05/10/10 11:35	05/11/10 13:47	7440-48-4	
Copper	13.9 mg	J/kg	1.3	1	05/10/10 11:35	05/11/10 13:47	7440-50-8	
Iron	23100 mg	g/kg	12.9	1	05/10/10 11:35	05/11/10 13:47	7439-89-6	
Lead	24.4 mg	g/kg	0.65	1	05/10/10 11:35	05/11/10 13:47	7439-92-1	
Magnesium	2400 mg	/kg	64.7	1	05/10/10 11.35	05/11/10 13:47	7439-95-4	
Manganese	805 mg	g/kg	13	1	05/10/10 11:35	05/11/10 13:47	7439-96-5	
Molybdenum	ND mg	g/kg	2.6	1	05/10/10 11:35	05/11/10 13.47	7439-98-7	
Nickel	11.3 mg	/kg	2.6	1	05/10/10 11:35	05/11/10 13:47	7440-02-0	
Potassium	1410 mg	/kg	64.7	1	05/10/10 11:35	05/11/10 13:47	7440-09-7	
Selenium	ND mg	/kg	0.65	1	05/10/10 11:35	05/11/10 13:47	7782-49-2	
Silver	0.46 mg	/kg	0.26	1	05/10/10 11:35	05/11/10 13:47	7440-22-4	
Sodium	ND mg	J/kg	647	1	05/10/10 11:35	05/11/10 13.47	7440-23-5	
Thallium	ND mg	/kg	2.6	1	05/10/10 11:35	05/11/10 13:47	7440-28-0	
Vanadium	22.4 mg	ı/kg	1.3	1	05/10/10 11:35	05/11/10 13:47	7440-62-2	
Zinc	77.8 mg	g/kg	1.3	1	05/10/10 11.35	05/11/10 13 [.] 47	7440-66-6	
7471 Mercury	Analytical Meth	od: EPA 7471	Preparation Met	hod: EF	'A 7471			
Mercury	ND mg	g/kg	0.17	1	05/10/10 14:37	05/11/10 10:30	7439-97-6	
8260 MSV 5030 Low Level	Analytical Meth	od: EPA 8260						
Acetone	359 ug.	/kg	19.0	1		05/12/10 14:35	67-64-1	
Benzene	ND ug.	/kg	9.5	1		05/12/10 14:35	71-43-2	
Bromochloromethane	ND ug	/kg	9.5	1		05/12/10 14:35	74-97-5	
Bromodichloromethane	ND ug.	/kg	95	1		05/12/10 14:35	75-27-4	
Bromoform	ND ug.	/ka	9.5	1		05/12/10 14:35	75-25-2	

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Bromomethane

TOTAL BTEX

n-Butylbenzene

2-Butanone (MEK)

sec-Butylbenzene

Carbon disulfide

Chlorobenzene

Chloromethane

Chloroethane

Chloroform

Carbon tetrachloride

REPORT OF LABORATORY ANALYSIS

9.5

57.1

19.0

9.5

95

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1

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Page 38 of 107

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CABOT-EPA 006976

05/12/10 14:35 74-83-9

05/12/10 14:35 78-93-3

05/12/10 14:35 104-51-8

05/12/10 14:35 135-98-8

05/12/10 14:35 75-15-0

05/12/10 14:35 56-23-5

05/12/10 14:35 108-90-7

05/12/10 14:35 75-00-3

05/12/10 14:35 67-66-3

05/12/10 14:35 74-87-3

05/12/10 14:35



ANALYTICAL RESULTS

2H/4H 39938634.00017 Project:

Pace Project No.: 3027322

Sample: Upstream-Sed Results reported on a "dry-weigh	Lab ID: 3027	322014 (Collected: 05/06/1	0 18:15	Received: 0	5/08/10 09:07 N	fatrix: Solid	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qua
3260 MSV 5030 Low Level	Analytical Meth	od: EPA 8260						
Dibromochloromethane	ND ug/	'kg	9.5	1		05/12/10 14:35	124-48-1	
1,2-Dichlorobenzene	ND ug/	'kg	9.5	1		05/12/10 14:35	95-50-1	
1,3-Dichlorobenzene	ND ug/	'kg	9.5	1		05/12/10 14:35	541-73-1	
1,4-Dichlorobenzene	ND ug/	′kg	9.5	1		05/12/10 14:35	106-46-7	
1,1-Dichloroethane	ND ug/	'kg	95	1		05/12/10 14:35	75-34-3	
1,2-Dichloroethane	ND ug/	'kg	9.5	1		05/12/10 14:35	107-06-2	
1,2-Dichloroethene (Total)	ND ug/	/kg	19.0	1		05/12/10 14:35	540-59-0	
1,1-Dichloroethene	ND ug/	/kg	9.5	1		05/12/10 14:35	75-35-4	
cis-1,2-Dichloroethene	ND ug/	/kg	9.5	1		05/12/10 14:35	156-59-2	
trans-1,2-Dichloroethene	ND ug/	/kg	9.5	1		05/12/10 14:35	156-60-5	
1,2-Dichloropropane	ND ug/	_	9.5	1		05/12/10 14:35	78-87- 5	
cis-1,3-Dichloropropene	ND ug/	′kg	9.5	1		05/12/10 14:35	10061-01-5	
trans-1,3-Dichloropropene	ND ug/	•	9.5	1		05/12/10 14:35	10061-02-6	
Ethylbenzene	ND ug/	•	9.5	1		05/12/10 14:35	100-41-4	
2-Hexanone	ND ug/	-	19.0	1		05/12/10 14:35		
Isopropylbenzene (Cumene)	ND ug/	-	9.5	1		05/12/10 14:35		
'sopropyltoluene	ND ug/	_	9.5	1		05/12/10 14:35		
thylene Chloride	ND ug/	•	95	1		05/12/10 14:35		
4-Methyl-2-pentanone (MIBK)	ND ug/	•	19.0	1		05/12/10 14:35		
Methyl-tert-butyl ether	ND ug/	_	9.5	1		05/12/10 14:35		
Naphthalene	ND ug/	_	9.5	1		05/12/10 14:35		
n-Propylbenzene	ND ug/	•	95	1		05/12/10 14:35		
Styrene	ND ug/	•	95	1		05/12/10 14:35		
1,1,2,2-Tetrachloroethane	ND ug/	-	9.5	1		05/12/10 14:35		
Tetrachloroethene	ND ug/	•	9.5	1		05/12/10 14:35		
Toluene	ND ug/	-	9.5	1		05/12/10 14:35		
1,2,4-Trichlorobenzene	ND ug/	-	9.5	1		05/12/10 14:35		
1,1,1-Trichloroethane	ND ug/	•	9.5	1		05/12/10 14:35		
• •	•	~	9.5	1		05/12/10 14:35		
1,1,2-Trichloroethane	ND ug/ ND ug/	_	9.5	1		05/12/10 14:35		
Trichloroethene	-	•	9.5	1				
1,2,4-Trimethylbenzene	ND ug/	•	9.5	1		05/12/10 14:35		
1,3,5-Trimethylbenzene	ND ug/	-				05/12/10 14:35		
Vinyl chloride	ND ug	-	9.5	1		05/12/10 14:35		
Xylene (Total)	ND ug	•	28.6	1		05/12/10 14:35		
m&p-Xylene	ND ug/	-	19.0	1		05/12/10 14:35		
o-Xylene	ND ug/	/kg	9.5	1		05/12/10 14:35		
Toluene-d8 (S)	103 %		70-130	1		05/12/10 14:35		
4-Bromofluorobenzene (S)	108 %		70-130	1		05/12/10 14:35		
1,2-Dichloroethane-d4 (S)	106 %		70-130	1		05/12/10 14:35	17060-07-0	
Percent Moisture	Analytical Meth	nod: ASTM Da						
Percent Moisture	43.2 %		0.10	1		05/12/10 14:24		
9034 Sulfide	Analytical Meth	nod [,] EPA 903	4					
Sulfide	ND mg	g/kg	17 6	1		05/12/10 19:50		
	_							

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REPORT OF LABORATORY ANALYSIS

Page 39 of 107

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CABOT-EPA 006977



ANALYTICAL RESULTS

Project. 2H/4H 39938634.00017

Pace Project No.: 3027322

Sample: Upstream-Sed ASTM	Lab ID: 30	27322015	Collected: 05/06/1	0 18 15	Received: 05	5/08/10 09:07	Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
5540C MBAS Surfactants	Analytical Me	ethod: SM 554	0C					
Surfactants	ND :	mg/L	0.10	1		05/13/10 14:2	5	3c
4500 Chloride	Analytical Me	ethod: SM 450	0-CI-E					
Chloride	6.5	ng/L	3.0	1		05/12/10 20:2	8 16887-00-6	

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REPORT OF LABORATORY ANALYSIS

Page 40 of 107

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CABOT-EPA 006978



ANALYTICAL RESULTS

Project:

2H/4H 39938634.00017

Pace Project No.: 3027322

Sample: Downstream-Sed Results reported on a "dry-weight	Lab ID: 30273220	16 Collected: 05/06/1	10 18:00	Received: 05	5/08/10 09:07	Matrix: Solid	
Parameters		nits Report Limit	DF	Prepared	Analyzed	CAS No.	Qua
6010 MET ICP	Analytical Method: E	PA 6010B Preparation Me	ethod: E	PA 3050			
Aluminum	19400 mg/kg	20.1	1	05/10/10 11:35	05/11/10 13 50	7429-90-5	
Antimony	ND mg/kg	1.0	1	05/10/10 11:35	05/11/10 13:50	7440-36-0	
Arsenic	13.8 mg/kg	1.0	1	05/10/10 11:35	05/11/10 13:50	7440-38-2	
Barium	152 mg/kg	4.0	1		05/11/10 13:50		
Beryllium	0.89 mg/kg	0.40	1		05/11/10 13:50		
Boron	11.7 mg/kg	10.0	1		05/11/10 13:50		
Cadmium	ND mg/kg	0.40	1		05/11/10 13:50		
Calcium	1650 mg/kg	402	1		05/11/10 13:50		
Chromium	19.5 mg/kg	1.0	1		05/11/10 13:50		
Cobalt	16.2 mg/kg	2.0	1		05/11/10 13:50		
Copper		2.0	1		05/11/10 13:50		
Copper Iron	20.3 mg/kg 34200 mg/kg	20.1	1		05/11/10 13.50		
Lead	30.4 mg/kg	10	1		05/11/10 13:50		
Magnesium	4450 mg/kg	100	1		05/11/10 13:50		
Manganese	953 mg/kg	2.0	1		05/11/10 13:50		
Molybdenum	ND mg/kg	40	1		05/11/10 13.50		
ckel	25.7 mg/kg	4.0	1		05/11/10 13:50		
tassium	2140 mg/kg	100	1		05/11/10 13:50		
Selenium	0.99 mg/kg	1.0	1	05/10/10 11:35	05/11/10 13.50	7782-49-2	
Silver	0.44 mg/kg	0.40	1	05/10/10 11:35	05/11/10 13:50	7440-22-4	
Sodium	ND mg/kg	1000	1	05/10/10 11:35	05/11/10 13:50	7440-23-5	
Thallium	ND mg/kg	4.0	1	05/10/10 11:35	05/11/10 13:50	7440-28-0	
Vanadium	25.4 mg/kg	2.0	1	05/10/10 11:35	05/11/10 13:50	7440-62-2	
Zinc	132 mg/kg	2.0	1	05/10/10 11:35	05/11/10 13:50	7440-66-6	
7471 Mercury	Analytical Method: E	PA 7471 Preparation Met	hod: EP	A 7471			
Mercury	ND mg/kg	0.20	1	05/10/10 14:37	05/11/10 10.32	2 7439-97-6	
8260 MSV 5030 Low Level	Analytical Method: E	PA 8260					
Acetone	ND ug/kg	2360	50		05/12/10 15:20	67-64-1	
Benzene	ND ug/kg	13.7	1		05/10/10 14:49	71-43-2	
Bromochloromethane	ND ug/kg	13.7	1		05/10/10 14:49	9 74-97-5	
Bromodichloromethane	ND ug/kg	13 7	1		05/10/10 14:49	9 75-27-4	
Bromoform	ND ug/kg	13 7	1		05/10/10 14:4		
Bromomethane	ND ug/kg	13.7	1		05/10/10 14:49		
TOTAL BTEX	ND ug/kg	82.1	1		05/10/10 14:4		
2-Butanone (MEK)	125 ug/kg	27.4	1		05/10/10 14:4:		
n-Butylbenzene	ND ug/kg	13.7	1		05/10/10 14.49		
sec-Butylbenzene	ND ug/kg	13.7	1		05/10/10 14:49		
Carbon disulfide		13.7	1		05/10/10 14:49		
	15.7 ug/kg	13.7	1				
Carbon tetrachloride	ND ug/kg				05/10/10 14:49		
Chlorobenzene	ND ug/kg	13.7	1		05/10/10 14:49		
Chloroethane	ND ug/kg	13.7	1		05/10/10 14:49		
Chloroform	ND ug/kg	13.7	1		05/10/10 14:49		
Chloromethane	ND ug/kg	13.7	1		05/10/10 14:4	3 74-87-3	

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REPORT OF LABORATORY ANALYSIS

Page 41 of 107

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CABOT-EPA 006979



ANALYTICAL RESULTS

Project. 2H/4H 39938634.00017

Pace Project No.: 3027322

Sample: Downstream-Sed	Lab ID: 302732201	6 Collected: 05/06/10	18:00	Received: 05/08/10 09:0	7 Matrix: Solid	
Results reported on a "dry-weight	" basis					
Parameters	Results Uni	ts Report Limit	DF	Prepared Analyz	ed CAS No.	Qual
8260 MSV 5030 Low Level	Analytical Method: EP	A 8260				
Dibromochloromethane	ND ug/kg	13.7	1	05/10/10	14:49 124-48-1	
1,2-Dichlorobenzene	ND ug/kg	13.7	1	05/10/10	14:49 95-50-1	
1,3-Dichlorobenzene	ND ug/kg	13.7	1	05/10/10	14:49 541-73-1	
1,4-Dichlorobenzene	ND ug/kg	13.7	1	05/10/10	14:49 106-46-7	
1,1-Dichloroethane	ND ug/kg	13.7	1	05/10/10	14:49 75-34-3	
1,2-Dichloroethane	ND ug/kg	13.7	1	05/10/10	14:49 107-06-2	
1,2-Dichloroethene (Total)	ND ug/kg	27.4	1	05/10/10	14:49 540-59-0	
1,1-Dichloroethene	ND ug/kg	13.7	1	05/10/10	14:49 75-35-4	
cis-1,2-Dichloroethene	ND ug/kg	13.7	1	05/10/10	14:49 156-59-2	
trans-1,2-Dichloroethene	ND ug/kg	13.7	1	05/10/10	14:49 156-60-5	
1,2-Dichloropropane	ND ug/kg	13.7	1		14:49 78-87-5	
cis-1,3-Dichloropropene	ND ug/kg	13.7	1		14:49 10061-01-5	
trans-1,3-Dichloropropene	ND ug/kg	13.7	1		14:49 10061-02-6	
Ethylbenzene	ND ug/kg	13.7	1		14:49 100-41-4	
2-Hexanone	ND ug/kg	27.4	1		14:49 591-78-6	
Isopropylbenzene (Cumene)	ND ug/kg	13.7	1		14:49 98-82-8	
p-Isopropyltoluene	ND ug/kg	13.7	1		14:49 99-87-6	
Methylene Chloride	ND ug/kg	13.7	1		14:49 75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/kg	27.4	1		14:49 108-10-1	
Methyl-tert-butyl ether	ND ug/kg	13.7	1		14:49 1634-04-4	
	ND ug/kg ND ug/kg	13.7	1		14:49 91-20-3	
Naphthalene		13.7	1		14:49	
n-Propylbenzene	ND ug/kg	13.7	1		14:49 100-65-1 14:49 100-42-5	
Styrene	ND ug/kg	13.7	1			
1,1,2,2-Tetrachloroethane	ND ug/kg	13.7	1		14:49 79-34-5	
Tetrachloroethene	ND ug/kg				14:49 127-18-4	
Toluene	ND ug/kg	13.7	1		14:49 108-88-3	
1,2,4-Trichlorobenzene	ND ug/kg	13.7	1		14:49 120-82-1	
1,1,1-Trichloroethane	ND ug/kg	13.7	1		14:49 71-55-6	
1,1,2-Trichloroethane	ND ug/kg	13.7	1		14:49 79-00-5	
Trichloroethene	ND ug/kg	13.7	1		14:49 79-01-6	
1,2,4-Trimethylbenzene	ND ug/kg	13.7	1		14:49 95-63-6	
1,3,5-Trimethylbenzene	ND ug/kg	13.7	1		14 [.] 49 108-67 - 8	
Vinyl chloride	ND ug/kg	13.7	1		14:49 75-01-4	
Xylene (Total)	ND ug/kg	41.0	1	05/10/10	14·49 1330-20-7	
m&p-Xylene	ND ug/kg	27.4	1	05/10/10	14:49 179601-23-1	
o-Xylene	ND ug/kg	13.7	1	05/10/10	14:49 95-47-6	
Toluene-d8 (S)	86 %	70-130	1	05/10/10	14:49 2037-26-5	
4-Bromofluorobenzene (S)	100 %	70-130	1	05/10/10	14:49 460-00-4	
1,2-Dichloroethane-d4 (S)	128 %	70-130	1	05/10/10	14:49 17060-07-0	
Percent Moisture	Analytical Method: AS	TM D2974-87				
Percent Moisture	53.0 %	0.10	1	05/12/10	14:25	
9034 Sulfide	Analytical Method: EP	A 9034				
Sulfide	ND mg/kg	21 3	1	05/12/10	19.50	

Date: 06/15/2010 04:57 PM

REPORT OF LABORATORY ANALYSIS

Page 42 of 107

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CABOT-EPA 006980



ANALYTICAL RESULTS

Project:

2H/4H 39938634.00017

Pace Project No.: 3027322

Sample: Downstream-Sed	Lab ID: 30	27322017	Collected: 05/06/1	0 18:00	Received.	05/08/10 09:07	Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
5540C MBAS Surfactants	Analytical Me	thod: SM 55	40C					
Surfactants	ND m	ng/L	0.10	1		05/13/10 14:2	5	3c
4500 Chloride	Analytical Me	thod: SM 45	00-CI-E					
Chloride	4.1 m	ng/L	3.0	1		05/12/10 20:2	9 16887-00-6	

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REPORT OF LABORATORY ANALYSIS

Page 43 of 107

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CABOT-EPA 006981



ANALYTICAL RESULTS

Project: 2H/4H 39938634 00017

Pace Project No.: 3027322

Sample: Field	Lab ID: 30273	22018 Co	ollected: 05/06/1	10 17:45	Received: 05	5/08/10 09:07 N	fatrix: Solid	
Results reported on a "dry-weig	ht" basis							
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qua
010 MET ICP	Analytical Method	d: EPA 6010B	Preparation Me	ethod: El	PA 3050			
Aluminum	13500 mg/k	g	14.9	1	05/10/10 11:35	05/11/10 13:52	7429-90-5	
Antimony	ND mg/k	g	0.74	1	05/10/10 11:35	05/11/10 13:52	7440-36-0	
Arsenic	10.1 mg/k	9	0.74	1	05/10/10 11:35	05/11/10 13:52	7440-38-2	
Barium	485 mg/k	g	3.0	1	05/10/10 11:35	05/11/10 13:52	7440-39-3	
Beryllium	0.64 mg/k		0.30	1	05/10/10 11:35	05/11/10 13:52	7440-41-7	
Boron	10.4 mg/k	-	7.4	1	05/10/10 11:35	05/11/10 13:52	7440-42-8	
Cadmium	ND mg/k	g	0.30	1	05/10/10 11:35	05/11/10 13:52	7440-43-9	
Calcium	2230 mg/k	g	298	1	05/10/10 11:35	05/11/10 13:52	7440-70-2	
Chromium	15.9 mg/k	g	0.74	1	05/10/10 11:35	05/11/10 13.52	7440-47-3	
Cobalt	10.2 mg/k	-	1.5	1		05/11/10 13:52		
Copper	21.6 mg/k		1.5	1		05/11/10 13:52		
ron	22900 mg/k		14.9	1		05/11/10 13:52		
ead	40.9 mg/k	-	0.74	1		05/11/10 13:52		
Magnesium	3150 mg/k		74.4	1		05/11/10 13:52		
Manganese	1020 mg/k	-	1.5	1		05/11/10 13:52		
Molybdenum	ND mg/k	_	3.0	1		05/11/10 13:52		
lickel	17.8 mg/k	-	3.0	1		05/11/10 13:52		
Potassium	1930 mg/k	-	74.4	1		05/11/10 13:52		
Selenium	0.91 mg/k	_	0.74	1		05/11/10 13:52		
Silver	0.38 mg/k	-	0.30	1		05/11/10 13:52		
Sodium	ND mg/k		744	1		05/11/10 13:52		
Thallium	ND mg/k	_	3.0	i		05/11/10 13:52		
/anadium	19.3 mg/k	•	1.5	1		05/11/10 13:52		
Zinc	179 mg/k	-	1.5	1		05/11/10 13:52		
	-	_				00/11/10 15.52	7440-00-0	
471 Mercury	Analytical Method		•					
Mercury	ND mg/k	9	0.14	1	05/10/10 14:37	05/11/10 10.33	7439-97-6	
260 MSV 5030 Low Level	Analytical Method	t: EPA 8260						
Acetone	397 ug/kg)	19.8	1		05/10/10 15:14	67-64-1	
Benzene	ND ug/kg	j	9.9	1		05/10/10 15:14	71-43-2	
Bromochloromethane	ND ug/kg	3	9.9	1		05/10/10 15:14	74-97-5	
Bromodichloromethane	ND ug/kg	1	9.9	1		05/10/10 15:14	75-27-4	
Bromoform	ND ug/kg	1	9.9	1		05/10/10 15:14	75-25-2	
Bromomethane	ND ug/kg		99	1		05/10/10 15:14		
OTAL BTEX	ND ug/kg	-	59.5	1		05/10/10 15:14		
2-Butanone (MEK)	29.2 ug/kg	•	19.8	1		05/10/10 15:14	78-93-3	
n-Butylbenzene	ND ug/kg	•	9.9	1		05/10/10 15:14		
ec-Butylbenzene	ND ug/kg	-	9.9	1		05/10/10 15:14		
Carbon disulfide	21.4 ug/kg		9.9	1		05/10/10 15:14		
Carbon tetrachloride	ND ug/kg	<i>-</i>	9.9	1		05/10/10 15:14	· · · · · · ·	
	ND ug/kg		9.9	1		05/10/10 15:14		
	i 4D agin	,	3.3					
	ND na/k	1	0.0	1		N5/10/10 15:14	75_NN. 2	
Chlorobenzene Chloroethane Chloroform	ND ug/kg ND ug/kg	*	9.9 9.9	1 1		05/10/10 15:14 05/10/10 15:14		

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REPORT OF LABORATORY ANALYSIS

Page 44 of 107

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CABOT-EPA 006982



ANALYTICAL RESULTS

Project: 2H/4H 39938634.00017

Pace Project No.: 3027322

Sample: Field	Lab ID: 302	27322018	Collected: 05/06/1	0 17:45	Received 0	5/08/10 09:07 N	Matrix: Solid	
Results reported on a "dry-weigh	t" basis							
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qua
3260 MSV 5030 Low Level	Analytical Met	hod: EPA 826	0					
Dibromochloromethane	ND ug	g/kg	9.9	1		05/10/10 15:14	124-48-1	
1,2-Dichlorobenzene	ND uç	g/kg	9.9	1		05/10/10 15:14	95-50-1	
1,3-Dichlorobenzene	ND ug	g/kg	9.9	1		05/10/10 15:14	541-73-1	
1,4-Dichlorobenzene	ND ug	g/kg	9.9	1		05/10/10 15:14	106-46-7	
1,1-Dichloroethane	ND uç	g/kg	9.9	1		05/10/10 15:14	75-34-3	
1,2-Dichloroethane	ND ug	g/kg	9.9	1		05/10/10 15:14	107-06-2	
1,2-Dichloroethene (Total)	ND ug	g/kg	19.8	1		05/10/10 15:14	540-59-0	
1,1-Dichloroethene	ND ug	g/kg	9.9	1		05/10/10 15:14	75-35-4	
cis-1,2-Dichloroethene	ND ug	g/kg	9.9	1		05/10/10 15:14	156-59-2	
trans-1,2-Dichloroethene	ND ug	g/kg	9.9	1		05/10/10 15.14	156-60-5	
1,2-Dichloropropane	ND ug	g/kg	9.9	1		05/10/10 15:14	78-87-5	
cis-1,3-Dichloropropene	ND ug	g/kg	9.9	1		05/10/10 15:14	10061-01-5	
trans-1,3-Dichloropropene	ND ug	g/kg	9.9	1		05/10/10 15:14	10061-02-6	
Ethylbenzene	ND us		9.9	1		05/10/10 15:14	100-41-4	
2-Hexanone	ND ug		19.8	1		05/10/10 15:14	591-78-6	
sopropylbenzene (Cumene)	ND ug		9.9	1		05/10/10 15:14		
'sopropyltoluene	ND ug		9.9	1		05/10/10 15:14		
ethylene Chloride	ND us		9.9	1		05/10/10 15:14		
4-Methyl-2-pentanone (MIBK)	ND u		19.8	1		05/10/10 15:14		
Methyl-tert-butyl ether	ND us		99	1		05/10/10 15 14		
Naphthalene	ND u		9.9	1		05/10/10 15:14		
n-Propylbenzene	ND u	• •	9.9	1		05/10/10 15:14		
Styrene	ND u		9.9	1		05/10/10 15:14		
1,1,2,2-Tetrachloroethane	ND us		9.9	1		05/10/10 15:14		
Tetrachloroethene	ND u		9.9	1		05/10/10 15:14		
Toluene	20.0 ug	~ ~	9.9	1		05/10/10 15:14		
5/ 5	ND u		9.9	1		05/10/10 15:14		
1,2,4-Trichlorobenzene			9.9	1				
1,1,1-Trichloroethane	ND us		9.9	1		05/10/10 15:14		
1,1,2-Trichloroethane	ND u		9.9	1		05/10/10 15:14		
Trichloroethene	ND u					05/10/10 15:14		
1,2,4-Trimethylbenzene	ND u		9.9	1		05/10/10 15:14		
1,3,5-Trimethylbenzene	ND u		9.9	1		05/10/10 15:14		
Vinyl chloride	ND u		9.9	1		05/10/10 15:14		
Xylene (Total)	ND u		29.8	1		05/10/10 15:14		
m&p-Xylene	ND u		19.8	1			179601-23-1	
o-Xylene	ND u		9.9	1		05/10/10 15:14		
Toluene-d8 (S)	93 %		70-130	1		05/10/10 15:14		
4-Bromofluorobenzene (S)	125 %		70-130	1		05/10/10 15:14		
1,2-Dichloroethane-d4 (S)	124 %	6	70-130	1		05/10/10 15:14	17060-07-0	
Percent Moisture	Analytical Me	thod: ASTM D	2974-87					
Percent Moisture	35.4 %	6	0.10	1		05/12/10 14:26	3	
9034 Sulfide	Analytical Me	thod: EPA 903	34					
Sulfide	ND m	ng/kg	15 5	1		05/12/10 19.50)	

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REPORT OF LABORATORY ANALYSIS

Page 45 of 107

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CABOT-EPA 006983



ANALYTICAL RESULTS

Project:

2H/4H 39938634.00017

Pace Project No.: 3027322

Sample: Field ASTM	Lab ID: 302732201	19 Collected: 05/06/1	0 17:45	Received: 05/	/08/10 09:07 N	latrix: Water	
Parameters	Results Ur	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
5540C MBAS Surfactants	Analytical Method: SI	M 5540C					
Surfactants	ND mg/L	0.10	1		05/13/10 14:25		3c
4500 Chloride	Analytical Method: SI	M 4500-CI-E					
Chloride	3.3 mg/L	3.0	1		05/12/10 20:30	16887-00-6	

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REPORT OF LABORATORY ANALYSIS

Page 46 of 107

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CABOT-EPA 006984



ANALYTICAL RESULTS

Project: 2H/4H 39938634.00017

Pace Project No.: 3027322

Sample: DW	Lab ID: 30273	zzuzu Collected:	05/07/10	09:40	Received: 05	/08/10 09:07 N	fatrix: Water	
Parameters	Results	Units Repo	rt Limit	DF	Prepared	Analyzed	CAS No	Qua
6010 MET ICP	Analytical Method	: EPA 6010B Prepa	ration Meth	od: EF	PA 3005			
Aluminum	ND ug/L		50.0	1	05/10/10 13:00	05/13/10 12:34	7429-90-5	
Antimony	ND ug/L		5.0	1	05/10/10 13:00	05/13/10 12:34	7440-36-0	
Arsenic	ND ug/L		5.0	1	05/10/10 13:00	05/13/10 12:34	7440-38-2	
Barium	72.5 ug/L		10.0	1	05/10/10 13:00	05/13/10 12:34	7440-39-3	
Beryllium	ND ug/L		1.0	1	05/10/10 13:00	05/13/10 12:34	7440-41-7	
Boron	ND ug/L		50.0	1	05/10/10 13:00	05/13/10 12:34	7440-42-8	
Cadmium	ND ug/L		1.0	1	05/10/10 13:00	05/13/10 12:34	7440-43-9	
Calcium	25300 ug/L		1000	1	05/10/10 13.00	05/13/10 12:34	7440-70-2	
Chromium	ND ug/L		5.0	1	05/10/10 13.00	05/13/10 12:34	7440-47-3	
Cobalt	ND ug/L		5.0	1	05/10/10 13:00	05/13/10 12:34	7440-48-4	
Copper	259 ug/L		5.0	1	05/10/10 13:00	05/13/10 12:34	7440-50-8	
Iron	ND ug/L		50 0	1	05/10/10 13:00	05/13/10 12:34	7439-89-6	
Lead	2.0 ug/L		2.0	1	05/10/10 13:00	05/13/10 12:34	7439-92-1	
Magnesium	6700 ug/L		200	1	05/10/10 13:00	05/13/10 12:34	7439-95-4	
Manganese	ND ug/L		5.0	1	05/10/10 13:00	05/13/10 12:34	7439-96-5	
Molybdenum	ND ug/L		20.0	1	05/10/10 13:00	05/13/10 12:34	7439-98-7	
Nickel	ND ug/L		10 0	1	05/10/10 13:00	05/13/10 12:34	7440-02-0	
otassium	1060 ug/L		500	1	05/10/10 13:00	05/13/10 12:34	7440-09-7	
Jelenium	ND ug/L		5.0	1	05/10/10 13:00	05/13/10 12:34	7782-49-2	
Silver	ND ug/L		1.0	1	05/10/10 13:00	05/13/10 12:34	7440-22-4	
Sodium	14100 ug/L		1000	1	05/10/10 13.00	05/13/10 12:34	7440-23-5	
Thallium	ND ug/L		10.0	1	05/10/10 13:00	05/13/10 12:34	7440-28-0	
Vanadium	ND ug/L		50	1	05/10/10 13:00	05/13/10 12:34	7440-62-2	
Zinc	12.0 ug/L		10.0	1	05/10/10 13:00	05/13/10 12:34	7440-66-6	
6010 MET ICP, Lab Filtered	Analytical Method	d: EPA 6010 Prepara	ation Metho	d: EPA	3005			
Aluminum, Dissolved	ND ug/L		50.0	1	05/11/10 14:24	05/12/10 12:45	7429-90-5	
Antimony, Dissolved	ND ug/L		5.0	1	05/11/10 14:24	05/12/10 12:45	7440-36-0	
Arsenic, Dissolved	ND ug/L		5.0	1	05/11/10 14:24	05/12/10 12:45	7440-38-2	
Barium, Dissolved	74.6 ug/L		100	1	05/11/10 14:24	05/12/10 12.45	7440-39-3	
Beryllium, Dissolved	ND ug/L		1.0	1		05/12/10 12:45		
Boron, Dissolved	ND ug/L		50.0	1	05/11/10 14:24	05/12/10 12:45	7440-42-8	
Cadmium, Dissolved	ND ug/L		1.0	1		05/12/10 12:45		
Calcium, Dissolved	25800 ug/L		1000	1	05/11/10 14:24	05/12/10 12:45	7440-70-2	
Chromium, Dissolved	ND ug/L		5.0	1		05/12/10 12:45		
Cobalt, Dissolved	ND ug/L		5.0	1		05/12/10 12:45		
Copper, Dissolved	247 ug/L		5.0	1		05/12/10 12.45		
Iron, Dissolved	ND ug/L		50.0	1		05/12/10 12:45		
Lead, Dissolved	2.4 ug/L		2.0	1		05/12/10 12:45		
Magnesium, Dissolved	6800 ug/L		200	1		05/12/10 12:45		
Manganese, Dissolved	ND ug/L		50	1		05/12/10 12:45		
Molybdenum, Dissolved	ND ug/L		20.0	1		05/12/10 12:45		
Nickel, Dissolved	ND ug/L		10.0	1		05/12/10 12:45		
•	1070 ug/L		500	1		05/12/10 12:45		
	ioro ugre		200		33/11/10 14.24	501 E 10 12.40	,	
•	ND ug/l		5.0	1	05/11/10 14:24	05/12/10 12:45	7782_40_2	
Potassium, Dissolved Selenium, Dissolved Silver, Dissolved	ND ug/L ND ug/L		5.0 1.0	1 1		05/12/10 12:45 05/12/10 12:45		

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REPORT OF LABORATORY ANALYSIS

Page 47 of 107

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CABOT-EPA 006985



ANALYTICAL RESULTS

Project. 2H/4H 39938634.00017

Pace Project No.: 3027322

Sample: DW	Lab ID: 3027322020	Collected: 05/07/1	0 09:40	Received: 05	5/08/10 09:07 N	latrix: Water	
Parameters	Results Units	Report Limit	DF	Prepared	Analyzed	CAS No	Qua
6010 MET ICP, Lab Filtered	Analytical Method: EPA 601	0 Preparation Meth	od: EPA	A 3005			
Thallium, Dissolved	ND ug/L	10.0	1	05/11/10 14:24	05/12/10 12:45	7440-28-0	
Vanadium, Dissolved	ND ug/L	50	1	05/11/10 14:24	05/12/10 12:45	7440-62-2	
Zinc, Dissolved	17.5 ug/L	10.0	1	05/11/10 14:24	05/12/10 12:45	7440-66-6	
7470 Mercury	Analytical Method: EPA 747	0 Preparation Meth	od: EPA	A 7470			
Mercury	ND ug/L	0.20	1	05/11/10 11:36	05/12/10 07:45	7439-97-6	
7470 Mercury, Lab Filtered	Analytical Method: EPA 747	0 Preparation Meth	od: EPA	A 7470			
Mercury, Dissolved	ND ug/L	0.20	1	05/11/10 11:37	05/12/10 08:35	7439-97-6	
8260 MSV	Analytical Method: EPA 826	0					
1,1,1-Trichloroethane	ND ug/L	1.0	1		05/10/10 20:21	71-55-6	
1,1,2,2-Tetrachloroethane	ND ug/L	1.0	1		05/10/10 20:21	79-34-5	
1,1,2-Trichloroethane	ND ug/L	1.0	1		05/10/10 20:21	79-00-5	
1,1-Dichloroethane	ND ug/L	1.0	1		05/10/10 20:21	75-34-3	
1,1-Dichloroethene	ND ug/L	1.0	1		05/10/10 20:21	75-35-4	
1,2,4-Trichlorobenzene	ND ug/L	1.0	1		05/10/10 20:21	120-82-1	
1,2,4-Trimethylbenzene	ND ug/L	1.0	1		05/10/10 20.21		
1,2-Dichlorobenzene	ND ug/L	1.0	1		05/10/10 20:21		
1,2-Dichloroethane	ND ug/L	1.0	1		05/10/10 20:21		
1,2-Dichloroethene (Total)	ND ug/L	2.0	1		05/10/10 20:21		
1,2-Dichloropropane	ND ug/L	1.0	1		05/10/10 20:21		
1,3,5-Trimethylbenzene	ND ug/L	1.0	1		05/10/10 20:21		
1,3-Dichlorobenzene	ND ug/L	1.0	1		05/10/10 20:21		
1,4-Dichlorobenzene	ND ug/L	1.0	1		05/10/10 20:21		
2-Butanone (MEK)	ND ug/L	10.0	1		05/10/10 20:21		
2-Hexanone	ND ug/L	10.0	1		05/10/10 20:21		
4-Methyl-2-pentanone (MIBK)	ND ug/L	10.0	1		05/10/10 20:21		
Acetone	ND ug/L	10.0	1		05/10/10 20:21		
Benzene		10.0	1				
	ND ug/L	1.0	1		05/10/10 20:21		
Bromochloromethane	ND ug/L		1		05/10/10 20.21		
Bromodichloromethane	ND ug/L	1.0			05/10/10 20:21		
Bromoform	ND ug/L	1.0	1		05/10/10 20:21		
Bromomethane	ND ug/L	1.0	1		05/10/10 20:21		
Carbon disulfide	ND ug/L	1.0	1		05/10/10 20:21		
Carbon tetrachloride	ND ug/L	1.0	1		05/10/10 20:21		
Chlorobenzene	ND ug/L	1.0	1		05/10/10 20.21		
Chloroethane	ND ug/L	1.0	1		05/10/10 20:21		
Chloroform	ND ug/L	1.0	1		05/10/10 20:21	67-66-3	
Chloromethane	ND ug/L	1.0	1		05/10/10 20:21	74-87-3	
Dibromochloromethane	ND ug/L	1.0	1		05/10/10 20:21	124-48-1	
Ethylbenzene	ND ug/L	1.0	1		05/10/10 20:21	100-41-4	
Isopropylbenzene (Cumene)	ND ug/L	1.0	1		05/10/10 20:21	98-82-8	
Methyl-tert-butyl ether	ND ug/L	1.0	1		05/10/10 20:21	1634-04-4	
Methylene Chloride	ND ug/L	1.0	1		05/10/10 20:21		
Naphthalene	ND ug/L	2.0	1		05/10/10 20.21		

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REPORT OF LABORATORY ANALYSIS

Page 48 of 107

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CABOT-EPA 006986



ANALYTICAL RESULTS

Project:

2H/4H 39938634.00017

Pace Project No.: 3027322

Sample: DW	Lab ID: 3027322020 Colle	ected: 05/07/10	0 9:40	Received: 05/08/10 09:07 Matrix: Water	
Parameters	Results Units I	Report Limit	DF	Prepared Analyzed CAS No.	Qua
8260 MSV	Analytical Method: EPA 8260				
Styrene	ND ug/L	1.0	1	05/10/10 20:21 100-42-5	
Tetrachloroethene	ND ug/L	1.0	1	05/10/10 20:21 127-18-4	
Toluene	ND ug/L	1.0	1	05/10/10 20:21 108-88-3	
Trichtoroethene	ND ug/L	1.0	1	05/10/10 20:21 79-01-6	
Vinyl chloride	ND ug/L	1.0	1	05/10/10 20:21 75-01-4	
Xylene (Total)	ND ug/L	30	1	05/10/10 20:21 1330-20-7	
cis-1,2-Dichloroethene	ND ug/L	1.0	1	05/10/10 20:21 156-59-2	
cis-1,3-Dichloropropene	ND ug/L	10	1	05/10/10 20:21 10061-01-5	
m&p-Xylene	ND ug/L	20	1	05/10/10 20:21 179601-23-1	
n-Butylbenzene	ND ug/L	1.0	1	05/10/10 20:21 104-51-8	
n-Propylbenzene	ND ug/L	10	1	05/10/10 20:21 103-65-1	
o-Xylene	ND ug/L	1.0	1	05/10/10 20:21 95-47-6	
p-Isopropyltoluene	ND ug/L	1.0	1	05/10/10 20:21 99-87-6	
sec-Butylbenzene	ND ug/L	1.0	1	05/10/10 20:21 135-98-8	
trans-1,2-Dichloroethene	ND ug/L	10	1	05/10/10 20:21 156-60-5	
trans-1,3-Dichloropropene	ND ug/L	1.0	1	05/10/10 20:21 10061-02-6	
4-Bromofluorobenzene (S)	95 %	70-130	1	05/10/10 20.21 460-00-4	
?-Dichloroethane-d4 (S)	120 %	70-130	1	05/10/10 20:21 17060-07-0	
Juene-d8 (S)	95 %	70-130	1	05/10/10 20:21 2037-26-5	
2540C Total Dissolved Solids	Analytical Method: SM 2540C				
Total Dissolved Solids	145 mg/L	10 0	1	05/12/10 21:12	
2540D Total Suspended Solids	Analytical Method: SM 2540D				
Total Suspended Solids	8.0 mg/L	4.0	1	05/10/10 21:20	
5540C MBAS Surfactants	Analytical Method: SM 5540C				
Surfactants	ND mg/L	0.10	1	05/13/10 14·25 2c	;
9034 Sulfide Water	Analytical Method: EPA 9034				
Sulfide	ND mg/L	1.0	1	05/12/10 23:40	
4500 Chloride	Analytical Method: SM 4500-CI-I	E			
Chloride	30.9 mg/L	3.0	1	05/12/10 20:30 16887-00-6	

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REPORT OF LABORATORY ANALYSIS

Page 49 of 107

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CABOT-EPA 006987



ANALYTICAL RESULTS

Project: 2H/4H 39938634.00017

Pace Project No.: 3027322

Sample: DW	Lab ID: 302732202	21 Collected: 05/07/	10 10.00	Received: 05	5/08/10 09:07 N	fatrix: Water	
Parameters	Results Un	its Report Limit	DF	Prepared	Analyzed	CAS No.	Qua
6010 MET ICP	Analytical Method: EF	A 6010B Preparation Me	ethod: Ei	PA 3005			
Aluminum	ND ug/L	50.0	1	05/10/10 13:00	05/13/10 12:37	7429-90-5	
Antimony	ND ug/L	5.0	1	05/10/10 13:00	05/13/10 12:37	7440-36-0	
Arsenic	ND ug/L	5.0	1	05/10/10 13:00	05/13/10 12:37	7440-38-2	
Barium	101 ug/L	10.0	1	05/10/10 13:00	05/13/10 12:37	7440-39-3	
Beryllium	ND ug/L	1.0	1	05/10/10 13:00	05/13/10 12:37	7440-41-7	
Boron	ND ug/L	50.0	1	05/10/10 13:00	05/13/10 12:37	7440-42-8	
Cadmium	ND ug/L	1.0	1	05/10/10 13:00	05/13/10 12:37	7440-43-9	
Calcium	27000 ug/L	1000	1	05/10/10 13:00	05/13/10 12:37	7440-70-2	
Chromium	ND ug/L	5.0	1	05/10/10 13:00	05/13/10 12:37	7440-47-3	
Cobalt	ND ug/L	5.0	1	05/10/10 13:00	05/13/10 12:37	7440-48-4	
Copper	46.6 ug/L	5.0	1	05/10/10 13:00	05/13/10 12:37	7440-50-8	
Iron	ND ug/L	50.0	1	05/10/10 13:00	05/13/10 12:37	7439-89-6	
Lead	ND ug/L	2.0	1		05/13/10 12:37		
Magnesium	7370 ug/L	200	1	05/10/10 13:00	05/13/10 12:37	7439-95-4	
Manganese	ND ug/L	5.0	1	05/10/10 13:00	05/13/10 12:37	7439-96-5	
Molybdenum	ND ug/L	20.0	1	05/10/10 13:00	05/13/10 12.37	7439-98-7	
Nickel	ND ug/L	10.0	1	05/10/10 13.00	05/13/10 12.37	7440-02-0	
Potassium	1280 ug/L	500	1	05/10/10 13 00	05/13/10 12:37	7440-09-7	
Selenium	ND ug/L	50	1		05/13/10 12:37		
Silver	ND ug/L	1.0	1		05/13/10 12:37		
Sodium	6300 ug/L	1000	1	05/10/10 13:00	05/13/10 12:37	7440-23-5	
Thallium	ND ug/L	10.0	1		05/13/10 12.37		
V anadium	ND ug/L	5.0	1	05/10/10 13.00	05/13/10 12:37	7440-62-2	
Zinc	ND ug/L	10 0	1	05/10/10 13:00	05/13/10 12:37	7440-66-6	
6010 MET ICP, Lab Filtered	Analytical Method: EF	PA 6010 Preparation Met	hod: EP/	3005			
Aluminum, Dissolved	ND ug/L	50.0	1	05/11/10 14:24	05/12/10 12.48	7429-90-5	
Antimony, Dissolved	ND ug/L	50	1		05/12/10 12:48		
Arsenic, Dissolved	ND ug/L	5.0	1	05/11/10 14:24	05/12/10 12.48	7440-38-2	
Barium, Dissolved	96.6 ug/L	10.0	1	05/11/10 14:24	05/12/10 12:48	7440-39-3	
Beryllium, Dissolved	ND ug/L	1.0	1	05/11/10 14:24	05/12/10 12:48	7440-41-7	
Boron, Dissolved	ND ug/L	50.0	1	05/11/10 14:24	05/12/10 12:48	7440-42-8	
Cadmium, Dissolved	ND ug/L	1.0	1	05/11/10 14:24	05/12/10 12:48	7440-43-9	
Calcium, Dissolved	26500 ug/L	1000	1		05/12/10 12:48		
Chromium, Dissolved	ND ug/L	5.0	1		05/12/10 12:48		
Cobalt, Dissolved	ND ug/L	5.0	1		05/12/10 12:48		
Copper, Dissolved	48.0 ug/L	5.0	1		05/12/10 12:48		
ron, Dissolved	ND ug/L	50.0	1		05/12/10 12:48		
Lead, Dissolved	3.4 ug/L	2.0	1		05/12/10 12:48		
Magnesium, Dissolved	7240 ug/L	200	1		05/12/10 12:48		
Manganese, Dissolved	6.8 ug/L	5.0	1		05/12/10 12:48		
Molybdenum, Dissolved	ND ug/L	20.0	1		05/12/10 12.48		
Nickel, Dissolved	ND ug/L	10.0	1		05/12/10 12:48		
Potassium, Dissolved	1290 ug/L	500	1		05/12/10 12:48		
Selenium, Dissolved	ND ug/L	5.0	1		05/12/10 12.48		
Silver, Dissolved	ND ug/L	1.0	1		05/12/10 12:48		
Sodium, Dissolved	6510 ug/L	1000	1	05/11/10 14:24			

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REPORT OF LABORATORY ANALYSIS

Page 50 of 107

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CABOT-EPA 006988



ANALYTICAL RESULTS

Project: 2H/4H 39938634.00017

Pace Project No.: 3027322

Sample: DW	Lab ID: 3027	322021	Collected: 05/07/	10 10:0	0 Received: 05	5/08/10 09:07 N	latrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qua
6010 MET ICP, Lab Filtered	Analytical Metho	od. EPA 6010	0 Preparation Met	hod: EF	PA 3005			
Thallium, Dissolved	ND ug/L	_	10.0	1	05/11/10 14:24	05/12/10 12:48	7440-28-0	
Vanadium, Dissolved	ND ug/L	_	5.0	1	05/11/10 14.24	05/12/10 12:48	7440-62-2	
Zinc, Dissolved	10.4 ug/l	-	10 .0	1	05/11/10 14:24	05/12/10 12:48	7440-66-6	
7470 Mercury	Analytical Metho	od: EPA 7470	0 Preparation Met	hod: EF	PA 7470			
Mercury	ND ug/l	-	0.20	1	05/11/10 11:36	05/12/10 07:47	7439-97-6	
7470 Mercury, Lab Filtered	Analytical Metho	od. EPA 7470	0 Preparation Met	hod: EF	PA 7470			
Mercury, Dissolved	ND ug/l	-	0.20	1	05/11/10 11:37	05/12/10 08:36	7439-97-6	
8260 MSV	Analytical Metho	od: EPA 826	0					
1,1,1-Trichloroethane	ND ug/l	-	1.0	1		05/10/10 20:47	71-55-6	
1,1,2,2-Tetrachloroethane	ND ug/l	_	1.0	1		05/10/10 20:47	79-34-5	
1,1,2-Trichloroethane	ND ug/l		1.0	1		05/10/10 20:47	79-00-5	
1,1-Dichloroethane	ND ug/l		1.0	1		05/10/10 20:47	75-34-3	
1,1-Dichloroethene	ND ug/l		1.0	1		05/10/10 20:47		
2,4-Trichlorobenzene	ND ug/l		1.0	1		05/10/10 20.47		
2,4-Trimethylbenzene	ND ug/l		1.0	1		05/10/10 20:47		
1,2-Dichlorobenzene	ND ug/l		1.0	1		05/10/10 20:47		
1,2-Dichloroethane	_		1.0	1		05/10/10 20:47		
•	ND ug/l		2.0	1				
1,2-Dichloroethene (Total)	ND ug/l					05/10/10 20:47		
1,2-Dichloropropane	ND ug/l		1.0	1		05/10/10 20:47		
1,3,5-Trimethylbenzene	ND ug/l		1.0	1		05/10/10 20:47		
1,3-Dichlorobenzene	ND ug/l		1.0	1		05/10/10 20:47		
1,4-Dichlorobenzene	ND ug/l		1.0	1		05/10/10 20:47		
2-Butanone (MEK)	ND ug/l		10.0	1		05/10/10 20.47		
2-Hexanone	ND ug/l	_	10.0	1		05/10/10 20:47	591-78-6	
4-Methyl-2-pentanone (MIBK)	ND ug/l	L	10. 0	1		05/10/10 20:47	108-10-1	
Acetone	ND ug/l	_	10.0	1		05/10/10 20:47	67-64-1	
Benzene	ND ug/l	L	1.0	1		05/10/10 20:47	71-43-2	
Bromochloromethane	ND ug/l	L	1.0	1		05/10/10 20:47	74-97-5	
Bromodichloromethane	ND ug/l	L	1.0	1		05/10/10 20.47	75-27-4	
Bromoform	ND ug/l	L	1.0	1		05/10/10 20:47	75-25-2	
Bromomethane .	ND ug/l		10	1		05/10/10 20:47		
Carbon disulfide	ND ug/l		1.0	1		05/10/10 20:47		
Carbon tetrachloride	ND ug/l		1.0	1		05/10/10 20:47		
Chlorobenzene	ND ug/l		10	1		05/10/10 20:47		
Chloroethane	ND ug/l		1.0	1		05/10/10 20:47		
Chloroform	ND ug/l		1.0	1		05/10/10 20:47		
Chloromethane	ND ug/l		1.0	1		05/10/10 20:47		
Dibromochloromethane	ND ug/l		1.0	1		05/10/10 20:47		
	•		1.0	1				
Ethylbenzene	ND ug/l					05/10/10 20:47		
Isopropylbenzene (Cumene)	ND ug/l		1.0	1		05/10/10 20:47		
Methyl-tert-butyl ether	ND ug/l		1.0	1		05/10/10 20:47		
Methylene Chloride	ND ug/l		1.0	1		05/10/10 20.47		
Naphthalene	ND ug/l	Ļ	2.0	1		05/10/10 20.47	91-20-3	

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REPORT OF LABORATORY ANALYSIS

Page 51 of 107

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CABOT-EPA 006989



ANALYTICAL RESULTS

Project:

2H/4H 39938634.00017

Pace Project No.: 3027322

Sample: DW	Lab ID: 3027322021 Colle	ected: 05/07/10	10:00	Received.	05/08/10 09:07	Matrix Water	
Parameters	Results Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qua
3260 MSV	Analytical Method: EPA 8260						
Styrene	ND ug/L	1.0	1		05/10/10 20:47	7 100-42-5	
Tetrachloroethene	ND ug/L	1.0	1		05/10/10 20:47	7 127-18-4	
Toluene	ND ug/L	1.0	1		05/10/10 20.47	7 108-88-3	
Trichloroethene	ND ug/L	1.0	1		05/10/10 20:47	7 79-01-6	
Vinyl chloride	ND ug/L	1.0	1		05/10/10 20:47	7 75-01-4	
(Ylene (Total)	ND ug/L	30	1		05/10/10 20:47	7 1330-20-7	
cis-1,2-Dichloroethene	ND ug/L	1.0	1		05/10/10 20:47		
cis-1,3-Dichloropropene	ND ug/L	1.0	1		05/10/10 20:47		
n&p-Xylene	ND ug/L	2.0	1			7 179601-23-1	
n-Butylbenzene	ND ug/L	1.0	1	٠	05/10/10 20:47		
n-Propylbenzene	ND ug/L	1.0	1		05/10/10 20:47	7 103-65-1	
o-Xylene	ND ug/L	1.0	1		05/10/10 20:47		
p-Isopropyltoluene	ND ug/L	1.0	1		05/10/10 20:47		
sec-Butylbenzene	ND ug/L	10	1		05/10/10 20:47		
rans-1,2-Dichloroethene	ND ug/L	1.0	1		05/10/10 20:47		
rans-1,3-Dichloropropene	ND ug/L	1.0	1		05/10/10 20:47		
I-Bromofluorobenzene (S)	96 %	70-130	1		05/10/10 20:47		
I,2-Dichloroethane-d4 (S)	120 %	70-130	1		05/10/10 20.47		
Toluene-d8 (S)	94 %	70-130	1		05/10/10 20.47	7 2037-26-5	
540C Total Dissolved Solids	Analytical Method: SM 2540C						
Total Dissolved Solids	111 mg/L	10.0	1		05/12/10 21:12	2	
2540D Total Suspended Solids	Analytical Method: SM 2540D						
Total Suspended Solids	ND mg/L	4.0	1		05/11/10 20:42	2	
5540C MBAS Surfactants	Analytical Method: SM 5540C						
Surfactants	ND mg/L	0 10	1		05/13/10 14:25	5	2c
0034 Sulfide Water	Analytical Method: EPA 9034						
Sulfide	ND mg/L	1.0	1		05/12/10 23:40)	
500 Chloride	Analytical Method: SM 4500-CI-l	E					
Chloride	4.5 mg/L	30	1		05/12/10 20:31	1 16887-00-6	
	•					· · -	

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REPORT OF LABORATORY ANALYSIS

Page 52 of 107

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CABOT-EPA 006990



ANALYTICAL RESULTS

Project: 2H/4H 39938634.00017

Pace Project No.: 3027322

Sample: HD Well	Lab ID: 302	7322022	Collected: 05/	7/10 10:	45 Received: 05	5/08/10 09:07	Matrix: Water	
Parameters	Results	Units	Report Lim	t DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Met	hod: EPA 6	010B Preparation	Method:	EPA 3005			
Aluminum	1050 ug	g/L	50	.0 1	05/10/10 13:00	05/13/10 12:39	7429-90-5	
Antimony	ND ug	g/L	5	.0 1	05/10/10 13.00	05/13/10 12:39	7440-36-0	
Arsenic	5.6 ug	g/L	5	.0 1	05/10/10 13:00	05/13/10 12:39	7440-38-2	
Banum	1490 ug	g/L	10	.0 1	05/10/10 13:00	05/13/10 12:39	7440-39-3	
Beryllium	ND ug	j/L	1	.0 1	05/10/10 13:00	05/13/10 12:39	7440-41-7	
Boron	ND ug	g/L	50	.0 1	05/10/10 13:00	05/13/10 12:39	7440-42-8	
Cadmium	ND ug	g/L	1	.0 1	05/10/10 13 ⁻ 00	05/13/10 12:39	7440-43-9	
Calcium	28800 ug	g/L	10	00 1	05/10/10 13:00	05/13/10 12:39	7440-70-2	
Chromium	ND ug	g/L	ŧ	.0 1	05/10/10 13:00	05/13/10 12:39	7440-47-3	
Cobalt	ND ug	g/L	5	.0 1	05/10/10 13:00	05/13/10 12:39	7440-48-4	
Copper	73.5 ug	g/L		.0 1	05/10/10 13:00	05/13/10 12:39	7440-50-8	
Iron	1070 ug	g/L	50	.0 1	05/10/10 13:00	05/13/10 12:39	7439-89-6	
Lead	21.8 ug	g/L	2	.0 1	05/10/10 13:00	05/13/10 12:39	7439-92-1	
Magnesium	4860 us	g/L	2	00 1	05/10/10 13:00	05/13/10 12:39	7439-95-4	
Manganese	13.7 ug		5	.0 1	05/10/10 13:00	05/13/10 12.39	7439-96-5	
Molybdenum	ND u		20	.0 1	05/10/10 13:00	05/13/10 12:39	7439-98-7	
Nickel	ND ug	-	10	.0 1	05/10/10 13:00	05/13/10 12:39	7440-02-0	
tassium	2190 ug	_	5	00 1		05/13/10 12:39		
₄lenium	ND u		5	.0 1	05/10/10 13:00	05/13/10 12:39	7782-49-2	
Silver	ND ug	-		.0 1		05/13/10 12.39		
Sodium	76500 U		10			05/13/10 12:39		
Thallium	ND u			.0 1		05/13/10 12:39		
Vanadium	ND u	•		.0 1		05/13/10 12:39		
Zinc	26.3 u	-		.0 1		05/13/10 12:39		
6010 MET ICP, Lab Filtered	Analytical Me	thod: EPA 6	010 Preparation l	Method: E	EPA 3005			
Aluminum, Dissolved	ND u	g/L	50	.0 1	05/11/10 14:24	05/12/10 13:06	7429-90-5	
Antimony, Dissolved	ND u			.0 1	05/11/10 14:24	05/12/10 13:06	7440-36-0	
Arsenic, Dissolved	ND u			.0 1	05/11/10 14:24	05/12/10 13:06	7440-38-2	
Barium, Dissolved	238 u	g/L	10	.0 1	05/11/10 14.24	05/12/10 13.06	7440-39-3	
Beryllium, Dissolved	ND u	-		.0 1	05/11/10 14:24	05/12/10 13.06	7440-41-7	
Boron, Dissolved	ND u	-	50	0 1	05/11/10 14:24	05/12/10 13:06	7440-42-8	
Cadmium, Dissolved	ND u	g/L		.0 1	05/11/10 14.24	05/12/10 13:06	7440-43-9	
Calcium, Dissolved	26500 u	_	10	00 1		05/12/10 13:06		
Chromium, Dissolved	ND u	_		0 1		05/12/10 13:06		
Cobalt, Dissolved	ND u	-		.0 1	05/11/10 14:24	05/12/10 13:06	7440-48-4	
Copper, Dissolved	27.8 u	_	;	5.0 1		05/12/10 13:06		
Iron, Dissolved	ND u	-		0.0 1		05/12/10 13:06		
Lead, Dissolved	3.8 u	-		2.0 1		05/12/10 13:06	•	
Magnesium, Dissolved	4330 u			00 1		05/12/10 13:06		
Manganese, Dissolved	9.7 u	_		5.0 1		05/12/10 13:06		
Molybdenum, Dissolved	ND u	-		0.0 1		05/12/10 13:06		
Nickel, Dissolved	ND u	-		0.0 1		05/12/10 13:06		
Potassium, Dissolved	1620 u	_		00 1		05/12/10 13:06		
Selenium, Dissolved	ND u	-	_	5.0 1		05/12/10 13:06		
Silver, Dissolved	ND u	_		.0 1		05/12/10 13:06		
Sodium, Dissolved	71300 u		10			05/12/10 13:06		

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REPORT OF LABORATORY ANALYSIS

Page 53 of 107

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CABOT-EPA 006991



ANALYTICAL RESULTS

Project: 2H/4H 39938634.00017

Pace Project No.: 3027322

Sample: HD Well	Lab ID: 3027	7322022	Collected: 05/07/	10 10:45	Received: 05	5/08/10 09:07 N	latrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Lab Filtered	Analytical Meth	nod: EPA 60	110 Preparation Met	hod: EP	A 3005			
Thallium, Dissolved	ND ug.	/L	10.0	1	05/11/10 14:24	05/12/10 13:06	7440-28-0	
Vanadium, Dissolved	ND ug.	/L	5.0	1	05/11/10 14:24	05/12/10 13:06	7440-62-2	
Zinc, Dissolved	20.3 ug.	/L	10.0	1	05/11/10 14:24	05/12/10 13:06	7440-66-6	
7470 Mercury	Analytical Meth	nod: EPA 74	70 Preparation Met	hod: EP	A 7470			
Mercury	ND ug.	/L	0.20	1	05/11/10 11:36	05/12/10 07:49	7439-97-6	
7470 Mercury, Lab Filtered	Analytical Meth	nod: EPA 74	70 Preparation Met	hod: EP	A 7470			
Mercury, Dissolved	ND ug.	/L	0.20	1	05/11/10 11.37	05/12/10 08:38	7439-97-6	
8260 MSV	Analytical Meth	od: EPA 82	260					
1,1,1-Trichloroethane	ND ug	/L	1.0	1		05/10/10 21:13		
1,1,2,2-Tetrachloroethane	ND ug.	/L	1.0	1		05/10/10 21:13	79-34-5	
1,1,2-Trichloroethane	ND ug.	/L	1.0	1		05/10/10 21:13	79-00-5	
1,1-Dichloroethane	ND ug.	/L	1.0	1		05/10/10 21:13	75 - 34- 3	
1,1-Dichloroethene	ND ug	/L	1.0	1		05/10/10 21:13	75-35-4	
1,2,4-Trichlorobenzene	ND ug	/L	1.0	1		05/10/10 21:13	120-82-1	
1,2,4-Trimethylbenzene	ND ug	/L	1.0	1		05/10/10 21:13	95-63-6	
1,2-Dichlorobenzene	ND ug	/L	1.0	1		05/10/10 21:13	95-50-1	
1,2-Dichloroethane	ND ug	/L	1.0	1		05/10/10 21:13	107-06-2	
1,2-Dichloroethene (Total)	ND ug	/L	2.0	1		05/10/10 21:13	540-59-0	
1,2-Dichloropropane	ND ug	/L	1.0	1		05/10/10 21:13	78-87-5	
1,3,5-Trimethylbenzene	ND ug	/L	1.0	1		05/10/10 21:13	108-67-8	
1,3-Dichlorobenzene	ND ug	/L	1.0	1		05/10/10 21:13	541-73-1	
1,4-Dichlorobenzene	ND ug	/L	1.0	1		05/10/10 21:13	106-46-7	
2-Butanone (MEK)	ND ug	/L	10.0	1		05/10/10 21:13	78-93-3	
2-Hexanone	ND ug	/L	10.0	1		05/10/10 21:13	591-78-6	
4-Methyl-2-pentanone (MIBK)	ND ug	/L	10.0	1		05/10/10 21:13	108-10-1	
Acetone	ND ug	/L	10.0	1		05/10/10 21:13	67-64-1	
Benzene	ND ug	/L	1.0	1		05/10/10 21:13	71-43-2	
Bromochloromethane	ND ug	/L	1.0	1		05/10/10 21:13	74-97-5	
Bromodichloromethane	ND ug	/L	1.0	1		05/10/10 21:13	75-27-4	
Bromoform	ND ug	/L	1.0	1		05/10/10 21:13	75-25-2	
Bromomethane	ND ug	/L	1.0	1		05/10/10 21:13	74-83-9	
Carbon disulfide	ND ug	/L	1.0	1		05/10/10 21:13	75-15-0	
Carbon tetrachloride	ND ug	/L	1.0	1		05/10/10 21:13	56-23-5	
Chlorobenzene	ND ug	/L	1.0	1		05/10/10 21:13	108-90-7	
Chloroethane	ND ug	/L	1.0	1		05/10/10 21:13	75-00-3	
Chloroform	ND ug		1.0	1		05/10/10 21:13	67-66-3	
Chloromethane	ND ug	/L	1.0	1		05/10/10 21:13	74-87-3	
Dibromochloromethane	ND ug	/L	1.0	1		05/10/10 21:13	124-48-1	
Ethylbenzene	ND ug		1.0	1		05/10/10 21:13	100-41-4	
Isopropylbenzene (Cumene)	ND ug		1.0	1		05/10/10 21:13		
Methyl-tert-butyl ether	ND ug		1.0	1		05/10/10 21:13		
Methylene Chloride	ND ug		1.0	1		05/10/10 21:13		
Naphthalene	ND ug		2.0	1		05/10/10 21:13		

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REPORT OF LABORATORY ANALYSIS

Page 54 of 107

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CABOT-EPA 006992



ANALYTICAL RESULTS

Project: 2H/4H 39938634.00017

Pace Project No.: 3027322

Sample: HD Well	Lab ID: 3027322022 Co	llected: 05/07/10 10	0:45 Received:	05/08/10 09.07 N	latrix: Water	
Parameters	Results Units	Report Limit DI	F Prepared	Analyzed	CAS No.	Qua
8260 MSV	Analytical Method: EPA 8260					
Styrene	ND ug/L	1.0 1		05/10/10 21:13	100-42-5	
Tetrachloroethene	ND ug/L	1.0 1		05/10/10 21:13	127-18-4	
Toluene	ND ug/L	1.0 1		05/10/10 21:13	108-88-3	
Trichloroethene	ND ug/L	1.0 1		05/10/10 21:13	79-01-6	
Vinyl chloride	ND ug/L	1.0 1		05/10/10 21:13	75-01-4	
Xylene (Total)	ND ug/L	3.0 1		05/10/10 21:13	1330-20-7	
cis-1,2-Dichloroethene	ND ug/L	1.0 1		05/10/10 21:13	156-59-2	
cis-1,3-Dichloropropene	ND ug/L	1.0 1		05/10/10 21:13	10061-01-5	
m&p-Xylene	ND ug/L	2.0 1		05/10/10 21:13	179601-23-1	
n-Butylbenzene	ND ug/L	1.0 1		05/10/10 21:13	104-51-8	
n-Propylbenzene	ND ug/L	1.0 1		05/10/10 21:13	103-65-1	
o-Xylene	ND ug/L	1.0 1		05/10/10 21:13		
o-Isopropyltoluene	ND ug/L	1.0 1		05/10/10 21:13		
sec-Butylbenzene	ND ug/L	1.0 1		05/10/10 21:13		
trans-1,2-Dichloroethene	ND ug/L	1.0 1		05/10/10 21.13		
trans-1,3-Dichloropropene	ND ug/L	1.0 1		05/10/10 21:13		
4-Bromofluorobenzene (S)	97 %	70-130 1		05/10/10 21:13	460-00-4	
?-Dichloroethane-d4 (S)	126 %	70-130 1		05/10/10 21:13	17060-07-0	
Juene-d8 (S)	97 %	70-130 1		05/10/10 21:13	2037-26-5	
2540C Total Dissolved Solids	Analytical Method: SM 2540C					
Total Dissolved Solids	276 mg/L	10.0 1		05/12/10 21:12		
2540D Total Suspended Solids	Analytical Method, SM 2540D					
Total Suspended Solids	ND mg/L	4.0 1		05/11/10 20.42		
5540C MBAS Surfactants	Analytical Method: SM 5540C					
Surfactants	ND mg/L	0.10 1		05/13/10 14:25	20	С
9034 Sulfide Water	Analytical Method: EPA 9034					
Sulfide	ND mg/L	1.0 1		05/12/10 23:40		
4500 Chloride	Analytical Method: SM 4500-C	I-E				
Chloride	105 mg/L	6.0 2	<u>!</u>	05/12/10 20:53	16887-00-6	

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REPORT OF LABORATORY ANALYSIS

Page 55 of 107

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CABOT-EPA 006993



ANALYTICAL RESULTS

Project: 2H/4H 39938634.00017

Pace Project No.: 3027322

				10 10:45		/08/10 09:07 N	/latrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Meth	od. EPA 60	010B Preparation Me	ethod: Ef	PA 3005			
Aluminum	570 ug.	/L	50 0	1	05/10/10 13:00	05/13/10 12:42	7429-90-5	
Antimony	ND ug.	/L	5.0	1	05/10/10 13:00	05/13/10 12:42	7440-36-0	
Arsenic	ND ug.	/L	5.0	1	05/10/10 13:00	05/13/10 12:42	7440-38-2	
Barium	34.1 ug.	/L	10.0	1	05/10/10 13:00	05/13/10 12:42	7440-39-3	
Beryllium	ND ug.	/L	1.0	1	05/10/10 13:00	05/13/10 12:42	7440-41-7	
Boron	ND ug		50.0	1	05/10/10 13:00	05/13/10 12.42	7440-42-8	
Cadmium	ND ug	/L	1.0	1	05/10/10 13:00	05/13/10 12:42	7440-43-9	
Calcium	12100 ug	/L	1000	1	05/10/10 13:00	05/13/10 12:42	7440-70-2	
Chromium	ND ug		5.0	1	05/10/10 13:00	05/13/10 12:42	7440-47-3	
Cobalt	ND uga	/L	5.0	1	05/10/10 13:00	05/13/10 12:42	7440-48-4	
Copper	ND ug		5.0	1	05/10/10 13:00			
Iron	642 ug		50.0	1	05/10/10 13.00			
Lead	ND ug		2.0	1	05/10/10 13:00			
Magnesium	2590 ug.		200	1	05/10/10 13:00			
Manganese	22.7 ug.		5.0	1	05/10/10 13:00			
Molybdenum	ND ug.		20.0	1	05/10/10 13:00			
Nickel	ND ug		10.0	1	05/10/10 13.00			
Potassium	1590 ug		500	i	05/10/10 13:00			
Selenium	ND ug		5.0	1	05/10/10 13:00			
Silver	ND ug		1.0	i	05/10/10 13:00			
Sodium	11600 ug		1000	1	05/10/10 13:00			
Thallium	ND ug		10.0	i	05/10/10 13:00			
Vanadium	ND ug		5.0	1	05/10/10 13:00			
vanadium Zinc	-		10.0	1	05/10/10 13.00			
	ND ug					03/13/10 12 42	7440-00-0	
6010 MET ICP, Lab Filtered	Analytical Metr	IOU. EPA DI	010 Preparation Met	nod. EPA	4 3005			
Aluminum, Dissolved	ND ug.	/L	50.0	1	05/11/10 14:24	05/12/10 13.09	7429-90-5	
Antimony, Dissolved	ND ug.	/L	5.0	1	05/11/10 14:24	05/12/10 13:09	7440-36-0	
Arsenic, Dissolved	ND ug.	/L	5.0	1	05/11/10 14:24	05/12/10 13:09	7440-38-2	
Barium, Dissolved	27.0 ug.	/L	10.0	1	05/11/10 14:24	05/12/10 13:09	7440-39-3	
Beryllium, Dissolved	ND ug.	/L	1.0	1	05/11/10 14:24	05/12/10 13:09	7440-41-7	
Boron, Dissolved	ND ug.	/L	50.0	1	05/11/10 14:24	05/12/10 13:09	7440-42-8	
Cadmium, Dissolved	ND ug.	/L	1.0	1	05/11/10 14:24	05/12/10 13:09	7440-43-9	
Calcium, Dissolved	11600 ug	/L	100 0	1	05/11/10 14:24	05/12/10 13:09	7440-70-2	
Chromium, Dissolved	ND ug	/L	5.0	1	05/11/10 14.24	05/12/10 13 09	7440-47-3	
Cobalt, Dissolved	ND ug		5.0	1	05/11/10 14:24			
Copper, Dissolved	ND ug		5.0	1	05/11/10 14:24	05/12/10 13:09	7440-50-8	
ron, Dissolved	ND ug		50.0	1		05/12/10 13:09		
_ead, Dissolved	3.6 ug		2.0	1	05/11/10 14:24			
Magnesium, Dissolved	2390 ug		200	1	05/11/10 14:24			
Manganese, Dissolved	ND ug		5.0	1	05/11/10 14:24			
Molybdenum, Dissolved	ND ug.		20.0	1	05/11/10 14:24			
Nickel, Dissolved	ND ug		10.0	1	05/11/10 14:24			
Potassium, Dissolved	1340 ug.		500	1	05/11/10 14:24			
otassiuiti, Dissolveu	-		5.0	1	05/11/10 14:24			
Selenium Dissolved	NII 3 UM							
Selenium, Dissolved Silver, Dissolved	ND ug. ND ug.		1.0	1	05/11/10 14:24			

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REPORT OF LABORATORY ANALYSIS

Page 56 of 107

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CABOT-EPA 006994



ANALYTICAL RESULTS

Project 2H/4H 39938634.00017

Pace Project No.: 3027322

Sample: HD Well	Lab ID: 3027322023	Collected: 05/07/1	U 10:45	Received: 05	/08/10 09:07 P	/latrix: Water	
Parameters	Results Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qua
6010 MET ICP, Lab Filtered	Analytical Method: EPA 601	0 Preparation Meth	od: EP	A 3005			
Thallium, Dissolved	ND ug/L	10.0	1	05/11/10 14:24	05/12/10 13:09	7440-28-0	
Vanadium, Dissolved	ND ug/L	5.0	1	05/11/10 14:24	05/12/10 13:09	7440-62-2	
Zinc, Dissolved	11.7 ug/L	10.0	1	05/11/10 14:24	05/12/10 13:09	7440-66-6	
7470 Mercury	Analytical Method: EPA 747	0 Preparation Meth	od. EP	A 7470			
Mercury	ND ug/L	0.20	1	05/11/10 11:36	05/12/10 07:50	7439-97-6	
7470 Mercury, Lab Filtered	Analytical Method: EPA 747	0 Preparation Meth	od: EP	A 7470			
Mercury, Dissolved	ND ug/L	0.20	1	05/11/10 11:37	05/12/10 09:21	7439-97-6	
8260 MSV	Analytical Method: EPA 826	60					
1,1,1-Trichloroethane	ND ug/L	1.0	1		05/10/10 21:39	71-55-6	
1,1,2,2-Tetrachioroethane	ND ug/L	1.0	1		05/10/10 21:39	79-34-5	
1,1,2-Trichloroethane	ND ug/L	1.0	1		05/10/10 21:39	79-00- 5	
1,1-Dichloroethane	ND ug/L	1.0	1		05/10/10 21:39	75-34-3	
1,1-Dichloroethene	ND ug/L	1.0	1		05/10/10 21:39	75-35-4	
2,4-Trichlorobenzene	ND ug/L	10	1		05/10/10 21:39	120-82-1	
2,4-Trimethylbenzene	ND ug/L	1.0	1		05/10/10 21:39	95-63-6	
1,2-Dichlorobenzene	ND ug/L	1.0	1		05/10/10 21:39		
1,2-Dichloroethane	ND ug/L	1.0	1		05/10/10 21:39		
1,2-Dichloroethene (Total)	ND ug/L	2.0	1		05/10/10 21:39		
1,2-Dichloropropane	ND ug/L	1.0	1		05/10/10 21:39		
1,3,5-Trimethylbenzene	ND ug/L	1.0	1		05/10/10 21:39		
1,3-Dichlorobenzene	ND ug/L	1.0	1		05/10/10 21:39		
1,4-Dichlorobenzene	ND ug/L	1.0	1		05/10/10 21:39		
2-Butanone (MEK)	ND ug/L	10.0	1		05/10/10 21:39		
2-Hexanone	ND ug/L	10.0	1		05/10/10 21:39		
4-Methyl-2-pentanone (MIBK)	ND ug/L	10.0	1		05/10/10 21:39		
Acetone	ND ug/L	10.0	1		05/10/10 21:39		
Benzene	ND ug/L	1.0	1		05/10/10 21:39		
	•	1.0	1				
Bromochloromethane	ND ug/L	1.0	1		05/10/10 21:39		
Bromodichloromethane	ND ug/L				05/10/10 21:39		
Bromoform	ND ug/L	1.0	1		05/10/10 21:39		
Bromomethane	ND ug/L	1.0	1		05/10/10 21:39		
Carbon disulfide	ND ug/L	1.0	1		05/10/10 21:39		
Carbon tetrachloride	ND ug/L	1.0	1		05/10/10 21:39		
Chlorobenzene	ND ug/L	1.0	1		05/10/10 21:39		
Chloroethane	ND ug/L	1.0	1		05/10/10 21:39		
Chloroform	ND ug/L	1.0	1		05/10/10 21:39		
Chloromethane	ND ug/L	1.0	1		05/10/10 21:39		
Dibromochloromethane	ND ug/L	1.0	1		05/10/10 21:39		
Ethylbenzene	ND ug/L	1.0	1		05/10/10 21:39	100-41-4	
Isopropyibenzene (Cumene)	ND ug/L	1.0	1		05/10/10 21:39	98-82-8	
Methyl-tert-butyl ether	ND ug/L	1.0	1		05/10/10 21:39	1634-04-4	
Methylene Chloride	ND ug/L	1.0	1		05/10/10 21:39	75-09-2	
Naphthalene	ND ug/L	2.0	1		05/10/10 21:39	91-20-3	

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REPORT OF LABORATORY ANALYSIS

Page 57 of 107

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CABOT-EPA 006995



ANALYTICAL RESULTS

Project 2H/4H 39938634.00017

Pace Project No.: 3027322

Sample: HD Well	Lab ID: 3027322023 Co	ollected: 05/07/10	10:45	Received: 05/08/10 09.07 Ma	trix Water
Parameters	Results Units	Report Limit	DF	Prepared Analyzed	CAS No. Qua
8260 MSV	Analytical Method: EPA 8260				
Styrene	ND ug/L	1.0	1	05/10/10 21:39	100-42-5
Tetrachloroethene	ND ug/L	1.0	1	05/10/10 21:39	127-18-4
Toluene	ND ug/L	1.0	1	05/10/10 21:39	108-88-3
Trichloroethene	ND ug/L	1.0	1	05/10/10 21:39	
Vinyl chloride	ND ug/L	1.0	1	05/10/10 21:39	
Xylene (Total)	ND ug/L	3.0	1	05/10/10 21:39	
cis-1,2-Dichloroethene	ND ug/L	1.0	1	05/10/10 21:39	
cis-1,3-Dichloropropene	ND ug/L	10	1	05/10/10 21:39	
m&p-Xylene	ND ug/L	2.0	1	05/10/10 21:39	
n-Butylbenzene	ND ug/L	1.0	1	05/10/10 21:39	
n-Propylbenzene	ND ug/L	1.0	1	05/10/10 21:39	
o-Xylene	ND ug/L	1.0	1	05/10/10 21:39	
o-Isopropyltoluene	ND ug/L	1.0	1	05/10/10 21:39	
sec-Butylbenzene	ND ug/L	1.0	1	05/10/10 21:39	
rans-1,2-Dichloroethene	ND ug/L	1.0	1	05/10/10 21:39	
rans-1,3-Dichloropropene	N D ug/L	1.0	1	05/10/10 21:39	
1-Bromofluorobenzene (S)	98 %	70-130	1	05/10/10 21:39	
1,2-Dichloroethane-d4 (S)	121 %	70-130	1	05/10/10 21:39	
Foluene-d8 (S)	95 %	70-130	1	05/10/10 21:39 2	2037-26-5
2540C Total Dissolved Solids	Analytical Method: SM 2540C				
Total Dissolved Solids	84.0 mg/L	10.0	1	05/12/10 21:12	
2540D Total Suspended Solids	Analytical Method: SM 2540D				
Total Suspended Solids	81.0 mg/L	4.0	1	05/11/10 20:42	
5540C MBAS Surfactants	Analytical Method: SM 5540C				
Surfactants	ND mg/L	0.10	1	05/13/10 14:25	2c
9034 Sulfide Water	Analytical Method: EPA 9034				
Sulfide	ND mg/L	1.0	1	05/12/10 23:40	
1500 Chloride	Analytical Method: SM 4500-C	CI-E			
Chloride	18.2 mg/L	3.0	1	05/12/10 20:32	16887-00-6
	-				

Date: 06/15/2010 04:57 PM

REPORT OF LABORATORY ANALYSIS

Page 58 of 107

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CABOT-EPA 006996



ANALYTICAL RESULTS

Project: 2H/4H 39938634.00017

Pace Project No.: 3027322

Sample: P Tank	Lab ID: 302732202	24 Collected: 05/07	/10 11:45	Received: 05	5/08/10 09:07	Matrix ⁻ Water	
Parameters	Results Ur	Report Limit	DF	Prepared	Analyzed	CAS No.	Qua
6010 MET ICP	Analytical Method. Ef	PA 6010B Preparation N	flethod: E	PA 3005			
Aluminum	116 ug/L	50 .0	1	05/10/10 13:00	05/13/10 12:45	7429-90-5	
Antimony	ND ug/L	5.0	1	05/10/10 13:00	05/13/10 12:45	7440-36-0	
Arsenic	ND ug/L	5.0	1	05/10/10 13:00	05/13/10 12:45	7440-38-2	
Barium	152 ug/L	10.0	1	05/10/10 13:00	05/13/10 12:45	7440-39-3	
Beryllium	ND ug/L	1.0) 1	05/10/10 13:00	05/13/10 12:45	7440-41-7	
Boron	ND ug/L	50.0) 1		05/13/10 12:45		
Cadmium	ND ug/L	1.0	1		05/13/10 12:45		
Calcium	28100 ug/L	1000) 1		05/13/10 12:45		
Chromium	ND ug/L	5 (05/13/10 12:45		
Cobalt	ND ug/L	5.0			05/13/10 12:45		
Copper	ND ug/L	5.0			05/13/10 12:45		
Iron	97.5 ug/L	50.0			05/13/10 12:45		
Lead	ND ug/L	2.0			05/13/10 12.45		
Magnesium	4640 ug/L	200			05/13/10 12:45		
Manganese	ND ug/L	50			05/13/10 12:45		
-	ND ug/L	20.0			05/13/10 12:45		
Molybdenum	•	10.0			05/13/10 12:45		
Nickel	ND ug/L						
otassium	1800 ug/L	500			05/13/10 12:45		
elenium	ND ug/L	5.0			05/13/10 12:45		
Silver	ND ug/L	1.0			05/13/10 12:45		
Sodium	74800 ug/L	1000			05/13/10 12:45		
Thallium	ND ug/L	10.0			05/13/10 12:48		
Vanadium	ND ug/L	5 (05/13/10 12:45		
Zinc	ND ug/L	10.0) 1	05/10/10 13:00	05/13/10 12:45	7440-66-6	
6010 MET ICP, Lab Filtered	Analytical Method: El	PA 6010 Preparation Me	ethod: EP	A 3005			
Aluminum, Dissolved	ND ug/L	50.0) 1	05/11/10 14:24	05/12/10 13:12	2 7429-90-5	
Antimony, Dissolved	ND ug/L	5.0) 1	05/11/10 14:24	05/12/10 13:12	2 7440-36-0	
Arsenic, Dissolved	ND ug/L	5.0) 1	05/11/10 14:24	05/12/10 13:12	2 7440-38-2	
Barium, Dissolved	118 ug/L	10.0) 1	05/11/10 14:24	05/12/10 13:12	2 7440-39-3	
Beryllium, Dissolved	ND ug/L	1.0) 1	05/11/10 14:24	05/12/10 13:12	2 7440-41-7	
Boron, Dissolved	ND ug/L	50 () 1	05/11/10 14:24	05/12/10 13:12	2 7440-42-8	
Cadmium, Dissolved	ND ug/L	1.0) 1	05/11/10 14:24	05/12/10 13:12	2 7440-43-9	
Calcium, Dissolved	28100 ug/L	1000) 1	05/11/10 14:24	05/12/10 13:12	7440-70-2	
Chromium, Dissolved	ND ug/L	5.0			05/12/10 13:12		
Cobalt, Dissolved	ND ug/L	5.0			05/12/10 13:12		
Copper, Dissolved	ND ug/L	5.0			05/12/10 13:12		
Iron, Dissolved	ND ug/L	50 (05/12/10 13:12		
Lead, Dissolved	ND ug/L	2.0			05/12/10 13:12		
Magnesium, Dissolved	4580 ug/L	200			05/12/10 13:12		
Manganese, Dissolved	12.1 ug/L	5.0			05/12/10 13:12		
•	ND ug/L	20 (05/12/10 13:12		
Molybdenum, Dissolved	-	10.0			05/12/10 13:12		
Nickel, Dissolved	ND ug/L						
Potassium, Dissolved	1710 ug/L	500			05/12/10 13:12		
Selenium, Dissolved	ND ug/L	5.0			05/12/10 13:12		
Silver, Dissolved	ND ug/L	1.0			05/12/10 13:12		
Sodium, Dissolved	74200 ug/L	1000	1	05/11/10 14:24	05/12/10 13:12	2 /440-23-5	

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REPORT OF LABORATORY ANALYSIS

Page 59 of 107

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CABOT-EPA 006997



ANALYTICAL RESULTS

Project: 2H/4H 39938634.00017

Pace Project No.: 3027322

Sample: P Tank	Lab ID: 30273	22024	Collected. 05/07/1	10 11:45	Received: 05	5/08/10 09:07 N	latrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qua
6010 MET ICP, Lab Filtered	Analytical Method	EPA 60	10 Preparation Met	hod: EP	A 3005			
Thallium, Dissolved	ND ug/L		10.0	1	05/11/10 14:24	05/12/10 13:12	7440-28-0	
Vanadium, Dissolved	ND ug/L		5.0	1	05/11/10 14:24	05/12/10 13:12	7440-62-2	
Zinc, Dissolved	ND ug/L		10.0	1	05/11/10 14:24	05/12/10 13:12	7440-66-6	
7470 Mercury	Analytical Method	1: EPA 747	70 Preparation Met	hod: EP	A 7470			
Mercury	ND ug/L		0.20	1	05/11/10 11:36	05/12/10 07:55	7439-97-6	
7470 Mercury, Lab Filtered	Analytical Method	I: EPA 747	70 Preparation Met	hod. EP	A 7470			
Mercury, Dissolved	ND ug/L		0.20	1	05/11/10 11:37	05/12/10 09:26	7439-97-6	
8260 MSV	Analytical Method	I: EPA 826	30					
1,1,1-Trichloroethane	ND ug/L		1.0	1		05/10/10 22:05	71-55-6	
1,1,2,2-Tetrachloroethane	ND ug/L		1.0	1		05/10/10 22:05	79-34-5	
1,1,2-Trichloroethane	ND ug/L		1.0	1		05/10/10 22:05	79-00-5	
1,1-Dichloroethane	ND ug/L		1.0	1		05/10/10 22:05	75-34-3	
1,1-Dichloroethene	ND ug/L		1.0	1		05/10/10 22:05	75-35-4	
1,2,4-Trichlorobenzene	ND ug/L		1.0	1		05/10/10 22.05	120-82-1	
1,2,4-Trimethylbenzene	ND ug/L		1.0	1		05/10/10 22:05		
1,2-Dichlorobenzene	ND ug/L		1.0	1		05/10/10 22:05		
1,2-Dichloroethane	ND ug/L		1.0	1		05/10/10 22:05		
1,2-Dichloroethene (Total)	ND ug/L		2.0	1		05/10/10 22:05		
1,2-Dichloropropane	ND ug/L		1.0	1		05/10/10 22:05		
1,3,5-Trimethylbenzene	ND ug/L		1.0	1		05/10/10 22:05		
•	ND ug/L		1.0	1		05/10/10 22:05		
1,3-Dichlorobenzene	•							
1,4-Dichlorobenzene	ND ug/L		1.0	1		05/10/10 22:05		
2-Butanone (MEK)	ND ug/L		10.0	1		05/10/10 22:05		
2-Hexanone	ND ug/L		10.0	1		05/10/10 22:05		
4-Methyl-2-pentanone (MIBK)	ND ug/L		10.0	1		05/10/10 22:05		
Acetone	ND ug/L		10.0	1		05/10/10 22:05		
Benzene	ND ug/L		1.0	1		05/10/10 22:05		
Bromochloromethane	ND ug/L		1.0	1		05/10/10 22:05		
Bromodichloromethane	ND ug/L		1.0	1		05/10/10 22:05		
Bromoform	ND ug/L		1.0	1		05/10/10 22:05	75 -25-2	
Bromomethane	ND ug/L		1.0	1		05/10/10 22:05	74-83-9	
Carbon disulfide	ND ug/L		1.0	1		05/10/10 22:05	75-15-0	
Carbon tetrachloride	ND ug/L		1.0	1		05/10/10 22:05	56-23-5	
Chlorobenzene	ND ug/L		1.0	1		05/10/10 22:05	108-90-7	
Chloroethane	ND ug/L		1.0	1		05/10/10 22:05	75-00-3	
Chloroform	ND ug/L		1.0	1		05/10/10 22:05		
Chloromethane	ND ug/L		1.0	1		05/10/10 22:05		
Dibromochloromethane	ND ug/L		1.0	1		05/10/10 22:05		
Ethylbenzene	ND ug/L		1.0	1		05/10/10 22:05		
Isopropylbenzene (Cumene)	ND ug/L		1.0	1		05/10/10 22:05		
Methyl-tert-butyl ether	ND ug/L		1.0	1		05/10/10 22:05		
Methylene Chloride	ND ug/L		1.0	1		05/10/10 22:05		
Naphthalene	ND ug/L		2.0	1		05/10/10 22:05		

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REPORT OF LABORATORY ANALYSIS

Page 60 of 107

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CABOT-EPA 006998



ANALYTICAL RESULTS

Project:

2H/4H 39938634.00017

Pace Project No.: 3027322

Sample: P Tank	Lab ID: 3027322024 Colle	ected: 05/07/10	11:45	Received: 05/08/10 09	3:07 M	latrix: Water	
Parameters	Results Units	Report Limit	DF	Prepared Anal	yzed	CAS No.	Qua
3260 MSV	Analytical Method: EPA 8260						
Styrene	ND ug/L	1.0	1	05/10/1	0 22:05	100-42-5	
Tetrachloroethene	ND ug/L	1.0	1	05/10/1	0 22:05	127-18 -4	
Toluene	ND ug/L	1.0	1			108-88-3	
Trichloroethene	ND ug/L	1.0	1			79-01-6	
Vinyl chloride	ND ug/L	1.0	1			75-01-4	
Xylene (Total)	ND ug/L	3.0	1			1330-20-7	
cis-1,2-Dichloroethene	ND ug/L	1.0	1			156-59-2	
cis-1,3-Dichloropropene	ND ug/L	10	1			10061-01-5	
m&p-Xylene	ND ug/L	2.0	1			179601-23-1	
n-Butylbenzene	ND ug/L	1.0	1			104-51-8	
n-Propylbenzene	ND ug/L	1.0	1			103-65-1	
o-Xylene	ND ug/L	1.0	1	05/10/1			
o-isopropyltoluene	ND ug/L	1.0	1			99-87-6	
sec-Butylbenzene	ND ug/L	1.0 1.0	1 1			135-98-8	
trans-1,2-Dichloroethene	ND ug/L	1.0	1			156-60-5	
trans-1,3-Dichloropropene	ND ug/L 93 %	70-130	1			10061-02-6	
4-Bromofluorobenzene (S)	93 % 121 %	70-130 70-130	1			460- 00- 4 17060-07-0	
2-Dichloroethane-d4 (S) .oluene-d8 (S)	93 %	70-130 70-130	1			2037-26-5	
. ,		70-130	ı	05/10/1	0 22.03	2037-20-3	
2540C Total Dissolved Solids	Analytical Method: SM 2540C						
Total Dissolved Solids	200 mg/L	20.0	2	05/12/1	0 16:35		
2540D Total Suspended Solids	Analytical Method: SM 2540D						
Total Suspended Solids	11.0 mg/L	4.0	1	05/11/1	0 20.42		
5540C MBAS Surfactants	Analytical Method: SM 5540C						
Surfactants	0.18 mg/L	0.10	1	05/13/1	0 14.25		2c
9034 Sulfide Water	Analytical Method: EPA 9034						
Sulfide	ND mg/L	1.0	1	05/12/1	0 23:40		
4500 Chloride	Analytical Method: SM 4500-CI-	E					
Chloride	109 mg/L	60	2	05/12/1	0 20:53	16887-00-6	
	-						

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REPORT OF LABORATORY ANALYSIS

Page 61 of 107

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CABOT-EPA 006999



ANALYTICAL RESULTS

Project: 2H/4H 39938634.00017
Pace Project No.: 3027322

Tace Troject No.: OUZ TOZZ

Sample: HD Sump-Se		27322025	Collected:	05/07/1	0 12:10	Received: 05	/08/10 09:07	Matrix: Solid	
Results reported on a "dry-weight	t" basis								
Parameters	Results	Units	Repor	t Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Met	hod: EPA 60	10B Prepar	ation Me	thod. EF	PA 3050			
Aluminum	17800 m	g/kg		47.5	1	05/10/10 11:35	05/11/10 14:14	7429-90-5	
Antimony	2.4 m	g/kg		2.4	1	05/10/10 11:35	05/11/10 14:14	7440-36-0	
Arsenic	23.8 m	g/kg		2.4	1	05/10/10 11:35	05/11/10 14:14	7440-38-2	
Barium	3220 m	g/kg		9.5	1	05/10/10 11:35	05/11/10 14:14	7440-39-3	
Beryllium	ND m	g/kg		0.95	1	05/10/10 11:35	05/11/10 14:14	7440-41-7	
Boron	ND m	g/kg		23.7	1	05/10/10 11:35	05/11/10 14:14	7440-42-8	
Cadmium	ND m	g/kg		0.95	1	05/10/10 11:35	05/11/10 14:14	7440-43-9	
Calcium	7220 m	g/kg		949	1	05/10/10 11:35	05/11/10 14:14	7440-70-2	
Chromium	24.1 m	g/kg		2.4	1	05/10/10 11:35	05/11/10 14:14	7440-47-3	
Cobalt	14.4 m	g/kg		4.7	1	05/10/10 11:35	05/11/10 14:14	7440-48-4	
Copper	39.5 m			4.7	1	05/10/10 11:35	05/11/10 14:14	7440-50-8	
Iron	28200 m			47.5	1	05/10/10 11:35			
Lead	55.7 m			2.4	1	05/10/10 11:35	05/11/10 14:14	7439-92-1	
Magnesium	3230 m	a/ka		237	1	05/10/10 11:35	05/11/10 14:14	7439-95-4	
Manganese	3310 m			4.7	1	05/10/10 11:35	05/11/10 14:14	7439-96-5	
Molybdenum	ND m			9.5	1	05/10/10 11:35			
Nickel	24.2 m			9.5	1	05/10/10 11:35			
Potassium	2060 m			237	1	05/10/10 11:35			
Selenium	ND m			2.4	1	05/10/10 11:35			
Silver	1.1 m			0.95	1	05/10/10 11:35			
Sodium	ND m			2370	1	05/10/10 11:35			
Thallium	ND m	~ ~		9.5	1	05/10/10 11:35			
Vanadium	35.3 m			4.7	1	05/10/10 11:35			
Zinc	118 m	• •		4.7	1	05/10/10 11:35			
							03/11/10 14.14	1 1440-00-0	
7471 Mercury	Analytical Met		71 Prepara						
Mercury	ND m	g/kg		0.57	1	05/10/10 14:37	05/11/10 10:35	7439-97-6	
8260 MSV 5030 Low Level	Analytical Met	thod: EPA 82	:60						
Acetone	1590 ug	g/kg		75.2	1		05/12/10 14:5	7 67-64-1	
Benzene	ND us	g/kg		37.6	1		05/12/10 14:51	7 71-43-2	
Bromochloromethane	ND u			37.6	1		05/12/10 14.5	7 74-97-5	
Bromodichloromethane	ND u			37.6	1		05/12/10 14:57	7 75-27-4	
Bromoform	ND u			37.6	1		05/12/10 14:51		
Bromomethane	ND u			37.6	1		05/12/10 14:5	7 74-83-9	
TOTAL BTEX	ND u			226	1		05/12/10 14:5		
2-Butanone (MEK)	115 u			75.2	1		05/12/10 14:5		
n-Butylbenzene	ND u			37.6	1		05/12/10 14:5		
sec-Butylbenzene	ND u			37.6	1		05/12/10 14:5		
Carbon disulfide	104 u			37.6	1		05/12/10 14:5		
Carbon tetrachloride	ND u			37.6	1		05/12/10 14:5		
Chlorobenzene	ND u			37.6	1		05/12/10 14:5		
	ואט שו	9· · \ \		J/.U					
		n/ka		37 E	1		- 05/12/10 1 <i>1</i> +51	7 75_∩∩_な	
Chloroethane Chloroform	ND u			37.6 37.6	1		05/12/10 14:51 05/12/10 14:51		

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REPORT OF LABORATORY ANALYSIS

Page 62 of 107

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CABOT-EPA 007000



ANALYTICAL RESULTS

Project: 2H/4H 39938634.00017

Pace Project No.: 3027322

Results reported on a "dry-weigh	t" basis						
Parameters	Results Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qua
3260 MSV 5030 Low Level	Analytical Method: EPA 8	3260					
Dibromochloromethane	ND ug/kg	37.6	1		05/12/10 14:57	124-48-1	
1,2-Dichlorobenzene	ND ug/kg	37.6	1		05/12/10 14:57	95-50-1	
1,3-Dichlorobenzene	ND ug/kg	37.6	1		05/12/10 14:57	541-73-1	
1,4-Dichlorobenzene	ND ug/kg	37.6	1		05/12/10 14:57	106-46-7	
1,1-Dichloroethane	ND ug/kg	37.6	1		05/12/10 14:57	75-34-3	
1,2-Dichloroethane	ND ug/kg	37 6	1		05/12/10 14:57	107-06-2	
1,2-Dichloroethene (Total)	ND ug/kg	75.2	1		05/12/10 14:57	540-59-0	
1,1-Dichloroethene	ND ug/kg	37.6	1		05/12/10 14:57	75-3 5 -4	
cis-1,2-Dichloroethene	ND ug/kg	37.6	1		05/12/10 14:57	156-59-2	
trans-1,2-Dichloroethene	ND ug/kg	37.6	1		05/12/10 14:57	156-60-5	
1,2-Dichloropropane	ND ug/kg	37.6	1		05/12/10 14:57	78-87-5	
cis-1,3-Dichloropropene	ND ug/kg	37.6	1		05/12/10 14:57	10061-01-5	
trans-1,3-Dichloropropene	ND ug/kg	37 6	1		05/12/10 14:57	10061-02-6	
Ethylbenzene	ND ug/kg	37.6	1		05/12/10 14:57	100-41-4	
2-Hexanone	ND ug/kg	75.2	1		05/12/10 14.57	591-78-6	
Isopropylbenzene (Cumene)	ND ug/kg	37.6	1		05/12/10 14:57	98-82-8	
sopropyltoluene	ND ug/kg	37.6	1		05/12/10 14:57	99-87-6	
.ethylene Chloride	ND ug/kg	37.6	1		05/12/10 14:57		
4-Methyl-2-pentanone (MIBK)	ND ug/kg	75.2	1		05/12/10 14:57		
Methyl-tert-butyl ether	ND ug/kg	37.6	1		05/12/10 14:57		
Naphthalene	ND ug/kg	37.6	1		05/12/10 14:57		
n-Propylbenzene	ND ug/kg	37.6	1		05/12/10 14:57		
Styrene	ND ug/kg	37.6	i		05/12/10 14:57		
1,1,2,2-Tetrachloroethane	ND ug/kg	37.6	1		05/12/10 14:57		
Tetrachloroethene	ND ug/kg	37.6	1		05/12/10 14:57		
Toluene	ND ug/kg	37.6	1		05/12/10 14:57		
1,2,4-Trichlorobenzene	ND ug/kg	37.6	1		05/12/10 14:57		
	ND ug/kg	37.6	1		05/12/10 14:57		
1,1,1-Trichloroethane	- -	37.6 37.6	1		05/12/10 14:57		
1,1,2-Trichloroethane	ND ug/kg	37.6 37.6	1		05/12/10 14:57		
Trichloroethene	ND ug/kg	37.6 37.6	1				
1,2,4-Trimethylbenzene	ND ug/kg				05/12/10 14:57		
1,3,5-Trimethylbenzene	ND ug/kg	37.6	1		05/12/10 14:57		
Vinyl chloride	ND ug/kg	37.6	1		05/12/10 14:57		
Xylene (Total)	ND ug/kg	113	1		05/12/10 14.57		
m&p-Xylene	ND ug/kg	75.2	1		05/12/10 14:57		
o-Xylene	ND ug/kg	37.6	1		05/12/10 14:57		
Toluene-d8 (S)	110 %	70-130	1		05/12/10 14:57		
4-Bromofluorobenzene (S)	123 %	70-130	1		05/12/10 14:57		
1,2-Dichloroethane-d4 (S)	98 %	70-130	1		05/12/10 14:57	17060-07-0	
Percent Moisture	Analytical Method: ASTM	M D2974-87					
Percent Moisture	82.7 %	0.10	1		05/12/10 14:28	ŀ	
9034 Sulfide	Analytical Method: EPA	9034					
Sulfide	ND mg/kg	57.9	1		05/12/10 19.50)	

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REPORT OF LABORATORY ANALYSIS

Page 63 of 107

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CABOT-EPA 007001



ANALYTICAL RESULTS

Project:

2H/4H 39938634.00017

Pace Project No.: 3027322

race Floject No 302/322								
Sample: HD Sump-Sed	Lab ID: 302	7322026	Collected 05/07/1	0 12:10	Received: 0	5/08/10 09:07	Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
5540C MBAS Surfactants	Analytical Met	hod: SM 5540	oc					
Surfactants	ND m	g/L	0 10	1		05/13/10 14:25	5	3c
4500 Chloride	Analytical Met	hod: SM 4500)-CI-E					
Chloride	5.2 m	g/L	3.0	1		05/12/10 20:34	16887-00-6	

Date: 06/15/2010 04:57 PM

REPORT OF LABORATORY ANALYSIS

Page 64 of 107

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CABOT-EPA 007002



ANALYTICAL RESULTS

Project:

2H/4H 39938634.00017

Pace Project No.: 3027322

Sample: HD-Sed	Lab ID: 302	7322027	Collected:	05/07/1	0 13:10	Received 05	5/08/10 09:07 N	Matrix: Solid	
Results reported on a "dry-weig. Parameters	nt" basis Results	Units	Repor	t Limit	DF	Prepared	Analyzed	CAS No.	Qual
			<u></u>				7.0.0,200		
6010 MET ICP	Analytical Met	hod: EPA 6	010B Prepar	ation Me	thod. El	PA 3050			
Aluminum	16200 m	g/kg		9.7	1	05/10/10 11:35	05/11/10 15:20	7429-90-5	
Antimony	ND m	g/kg		0.48	1	05/10/10 11:35	05/11/10 15:20	7440-36-0	
Arsenic	21.6 m	g/kg		0.48	1	05/10/10 11:35	05/11/10 15:20	7440-38-2	
Barium	145 m	g/kg		1.9	1	05/10/10 11:35	05/11/10 15:20	7440-39-3	
Beryllium	0.67 m	g/kg		0.19	1	05/10/10 11:35	05/11/10 15.20	7440-41-7	
Boron	7.8 m	g/kg		4.8	1	05/10/10 11:35	05/11/10 15:20	7440-42-8	
Cadmium	ND m	g/kg		0.19	1	05/10/10 11:35	05/11/10 15:20	7440-43-9	
Calcium	2130 m	g/kg		194	1	05/10/10 11:35	05/11/10 15:20	7440-70-2	
Chromium	18.1 m	g/kg		0.48	1	05/10/10 11:35	05/11/10 15:20	7440-47-3	
Cobalt	9.7 m			0.97	1	05/10/10 11:35	05/11/10 15:20	7440-48-4	
Copper	23.2 m			0.97	1		05/11/10 15:20		
Iron	23600 m			9.7	1		05/11/10 15:20		
Lead	50.2 m			0.48	1		05/11/10 15:20		
Magnesium	3800 m			48.4	1		05/11/10 15:20		
Manganese	891 m			0 97	1		05/11/10 15:20		
Molybdenum	ND m			1.9	1		05/11/10 15:20		
kel	19.2 m			1.9	1		05/11/10 15:20		
assium	1470 m			48.4	1		05/11/10 15:20		
Selenium	0.52 m			0.48	1		05/11/10 15:20		
Silver	0.37 m			0.40	1		05/11/10 15:20		
				484	1		05/11/10 15:20		
Sodium	ND m			1.9	1		05/11/10 15:20		
Thallium	ND m								
Vanadium	20.2 m			0.97	1		05/11/10 15:20		
Zinc	121 m	ig/kg		0.97	1	05/10/10 11:35	05/11/10 15:20	/440-66-6	
7471 Mercury	Analytical Met	thod: EPA 7	471 Prepara	ition Met	hod: EP	A 7471			
Mercury	ND m	ng/kg		0.13	1	05/10/10 14:37	05/11/10 10:37	7439-97-6	
8260 MSV 5030 Low Level	Analytical Met	thod. EPA 8	260						
Acetone	506 ug	g/kg		15.0	1		05/10/10 16:02	67-64-1	
Benzene	ND ug	g/kg		7.5	1		05/10/10 16:02	71-43-2	
Bromochloromethane	ND u	g/kg		7.5	1		05/10/10 16:02	74-97-5	
Bromodichloromethane	ND u			7.5	1		05/10/10 16:02	75-27-4	
Bromoform	ND u			7.5	1		05/10/10 16:02	75-25-2	
Bromomethane	ND us			7.5	1		05/10/10 16:02		
TOTAL BTEX	ND u			45.1	1		05/10/10 16:02		
2-Butanone (MEK)	43.3 u			15.0	1		05/10/10 16:02		
n-Butylbenzene	ND u			7.5	1		05/10/10 16 02		
sec-Butylbenzene	ND u			7.5	1		05/10/10 16:02		
Carbon disulfide	ND u			7.5	1		05/10/10 16:02		
Carbon tetrachloride	ND u	-		7.5	1		05/10/10 16:02		
Chlorobenzene	ND u			7.5	1		05/10/10 16:02		
Chloroethane				7.5	1		05/10/10 16:02		
	ND u			7.5 7.5	1		05/10/10 16:02		
Chloroporthano	ND u								
Chloromethane	ND u	g/k g		7.5	1		05/10/10 16:02	14-87-3	

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REPORT OF LABORATORY ANALYSIS

Page 65 of 107

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CABOT-EPA 007003



ANALYTICAL RESULTS

Project: 2H/4H 39938634.00017

Pace Project No.: 3027322

Results reported on a "dry-weight" basis Parameters Results Units Report Limit DF Prepared Analyzed CAS No. 8260 MSV 5030 Low Level Analytical Method: EPA 8260 Dibromochloromethane ND ug/kg 7.5 1 05/10/10 16:02 124-48-1	Qual
8260 MSV 5030 Low Level Analytical Method: EPA 8260	Qual
·	
Dibromochloromethane ND ug/kg 7.5 1 05/10/10 16:02 124-48-1	
1,2-Dichlorobenzene ND ug/kg 7.5 1 05/10/10 16:02 95-50-1	
1,3-Dichlorobenzene ND ug/kg 7.5 1 05/10/10 16:02 541-73-1	
1,4-Dichlorobenzene ND ug/kg 7.5 1 05/10/10 16:02 106-46-7	
1,1-Dichloroethane ND ug/kg 7.5 1 05/10/10 16:02 75-34-3	
1,2-Dichloroethane ND ug/kg 7.5 1 05/10/10 16:02 107-06-2	
1,2-Dichloroethene (Total) ND ug/kg 15.0 1 05/10/10 16:02 540-59-0	
1,1-Dichloroethene ND ug/kg 7.5 1 05/10/10 16:02 75-35-4	
cis-1,2-Dichloroethene ND ug/kg 7.5 1 05/10/10 16:02 156-59-2	
trans-1,2-Dichloroethene ND ug/kg 7.5 1 05/10/10 16:02 156-60-5	
1,2-Dichloropropane ND ug/kg 7.5 1 05/10/10 16:02 78-87-5	
cis-1,3-Dichloropropene ND ug/kg 7.5 1 05/10/10 16:02 10061-01-5	
trans-1,3-Dichloropropene ND ug/kg 7.5 1 05/10/10 16:02 10061-02-6	
Ethylbenzene ND ug/kg 7.5 1 05/10/10 16:02 100-41-4	
2-Hexanone ND ug/kg 15.0 1 05/10/10 16:02 591-78-6	
Isopropylbenzene (Cumene) ND ug/kg 7.5 1 05/10/10 16:02 98-82-8	
p-Isopropyitoluene ND ug/kg 7.5 1 05/10/10 16:02 99-87-6	
Methylene Chloride ND ug/kg 7.5 1 05/10/10 16:02 75-09-2	
4-Methyl-2-pentanone (MIBK) ND ug/kg 15.0 1 05/10/10 16.02 108-10-1	
Methyl-tert-butyl ether ND ug/kg 7.5 1 05/10/10 16:02 1634-04-4	
Naphthalene ND ug/kg 7.5 1 05/10/10 16:02 91-20-3	
n-Propylbenzene ND ug/kg 7.5 1 05/10/10 16:02 103-65-1	
Styrene ND ug/kg 7.5 1 05/10/10 16:02 100-42-5	
1,1,2,2-Tetrachloroethane ND ug/kg 7.5 1 05/10/10 16:02 79-34-5	
Tetrachloroethene ND ug/kg 7.5 1 05/10/10 16:02 127-18-4	
Toluene ND ug/kg 7.5 1 05/10/10 16:02 108-88-3	
1,2,4-Trichlorobenzene ND ug/kg 7.5 1 05/10/10 16:02 120-82-1	
1,1,1-Trichloroethane ND ug/kg 7.5 1 05/10/10 16:02 71-55-6	
1,1,2-Trichloroethane ND ug/kg 7.5 1 05/10/10 16:02 79-00-5	
Trichloroethene ND ug/kg 7.5 1 05/10/10 16:02 79-01-6	
1,2,4-Trimethylbenzene ND ug/kg 7.5 1 05/10/10 16:02 95-63-6	
1,3,5-Trimethylbenzene ND ug/kg 7.5 1 05/10/10 16:02 108-67-8	
Vinyl chloride ND ug/kg 7.5 1 05/10/10 16:02 75-01-4	
Xylene (Total) ND ug/kg 22.5 1 05/10/10 16:02 1330-20-7	
m&p-Xylene ND ug/kg 15.0 1 05/10/10 16:02 179601-23-1	
o-Xylene ND ug/kg 7.5 1 05/10/10 16:02 95-17-6	
Toluene-d8 (S) 97 % 70-130 1 05/10/10 16:02 2037-26-5	
4-Bromofluorobenzene (S) 126 % 70-130 1 05/10/10 16:02 460-00-4	
1,2-Dichloroethane-d4 (S) 126 % 70-130 1 05/10/10 16:02 17060-07-0	
Percent Moisture Analytical Method: ASTM D2974-87	
Percent Moisture 22.9 % 0.10 1 05/12/10 14:26	
9034 Sulfide Analytical Method: EPA 9034	
Sulfide ND mg/kg 13 0 1 05/12/10 19·50	

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REPORT OF LABORATORY ANALYSIS

Page 66 of 107

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CABOT-EPA 007004



ANALYTICAL RESULTS

Project. 2H/4H 39938634.00017

Pace Project No.: 3027322

Sample: HD-Sed ASTM	Lab ID: 30	27322028	Collected: 05/07/	10 13:10	Received:	05/08/10 09:07	Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
5540C MBAS Surfactants	Analytical Me	thod: SM 554	10C					
Surfactants	ND m	ng/L	0.10	1		05/13/10 14:2	:5	3 c
4500 Chloride	Analytical Me	thod: SM 450	00-CI-E					
Chloride	ND m	ng/L	3.0	1		05/12/10 20:3	5 16887-00-6	

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REPORT OF LABORATORY ANALYSIS

Page 67 of 107

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CABOT-EPA 007005



ANALYTICAL RESULTS

Project:

2H/4H 39938634.00017

Pace Project No.: 3027322

Sample: TB-01	Lab ID: 302732202	9 Collected: 05/07/1	10 00:00	Received: 05/08/10 09:0	7 Matrix: Water	
Parameters	Results Uni	ts Report Limit	DF	Prepared Analyze	ed CAS No.	Qual
8260 MSV	Analytical Method: EP	A 8260				
1,1,1-Trichloroethane	ND ug/L	1.0	1	05/10/10 1	4:42 71-55-6	
1,1,2,2-Tetrachloroethane	ND ug/L	1.0	1	05/10/10 1	4:42 79-34-5	
1,1,2-Trichloroethane	ND ug/L	1.0	1	05/10/10 1	4:42 79-00-5	
1,1-Dichloroethane	ND ug/L	1.0	1	05/10/10 1	4:42 75-34-3	
1,1-Dichloroethene	ND ug/L	1.0	1	05/10/10 1	4:42 75-35-4	
1,2,4-Trichlorobenzene	ND ug/L	1.0	1	05/10/10 1	4:42 120-82-1	
1,2,4-Trimethylbenzene	ND ug/L	1.0	1	05/10/10 1	4:42 95-63-6	
1,2-Dichlorobenzene	ND ug/L	1.0	1	05/10/10 1	4:42 95-50-1	
1,2-Dichloroethane	ND ug/L	1.0	1	05/10/10 1	4:42 107-06-2	
1,2-Dichloroethene (Total)	ND ug/L	2.0	1	05/10/10 1	4.42 540-59-0	
1,2-Dichloropropane	ND ug/L	1.0	1	05/10/10 1	4:42 78-87-5	
1,3,5-Trimethylbenzene	ND ug/L	1.0	1	05/10/10 1	4:42 108-67-8	
1,3-Dichlorobenzene	ND ug/L	1.0	1	05/10/10 1	4:42 541-73-1	
1,4-Dichlorobenzene	ND ug/L	1.0	1	05/10/10 1	4:42 106-46-7	
2-Butanone (MEK)	ND ug/L	10.0	1	05/10/10 1	4:42 78-93-3	
2-Hexanone	ND ug/L	10.0	1	05/10/10 1	4:42 591-78-6	
4-Methyl-2-pentanone (MIBK)	ND ug/L	10.0	1	05/10/10 1	4.42 108-10-1	
Acetone	NĐ ug/L	10.0	1	05/10/10 1	4:42 67-64-1	
Benzene	ND ug/L	1.0	1	05/10/10 1	4:42 71-43-2	
Bromochloromethane	ND ug/L	1.0	1	05/10/10 1	4:42 74-97-5	
Bromodichloromethane	ND ug/L	1.0	1	05/10/10 1	4:42 75-27-4	
Bromoform	ND ug/L	1.0	1	05/10/10 1	4:42 75-25-2	
Bromomethane	ND ug/L	1.0	1	05/10/10 1	4:42 74-83-9	
Carbon disulfide	ND ug/L	1.0	1	05/10/10 1	4:42 75-15-0	
Carbon tetrachloride	ND ug/L	1.0	1	05/10/10 1	4:42 56-23-5	
Chlorobenzene	ND ug/L	1.0	1	05/10/10 1	4.42 108-90-7	
Chloroethane	ND ug/L	1.0	1	05/10/10 1	4:42 75-00-3	
Chloroform	ND ug/L	1.0	1	05/10/10 1	4:42 67-66-3	
Chloromethane	ND ug/L	1.0	1	05/10/10 1	4:42 74-87-3	
Dibromochloromethane	ND ug/L	1.0	1	05/10/10 1	4.42 124-48-1	
Ethylbenzene	ND ug/L	1.0	1		4:42 100-41-4	
Isopropylbenzene (Cumene)	ND ug/L	1.0	1	05/10/10 1	4:42 98-82-8	
Methyl-tert-butyl ether	ND ug/L	1.0	1	05/10/10 1	4:42 1634-04-4	
Methylene Chloride	ND ug/L	1.0	1	05/10/10 1	4:42 75-09-2	
Naphthalene	ND ug/L	2.0	1		4:42 91-20-3	
Styrene	ND ug/L	1.0	1		4:42 100-42-5	
Tetrachloroethene	ND ug/L	1.0	1	05/10/10 1	4:42 127-18-4	
Toluene	ND ug/L	1.0	1		4:42 108-88-3	
Trichloroethene	ND ug/L	1.0	1		4:42 79-01-6	
Vinyl chloride	ND ug/L	1.0	1		4:42 75-01-4	
Xylene (Total)	ND ug/L	30	1		4:42 1330-20-7	
cis-1,2-Dichloroethene	ND ug/L	1.0	1		4:42 156-59-2	
cis-1,3-Dichloropropene	ND ug/L	1.0	1		4:42 10061-01-5	
m&p-Xylene	ND ug/L	2.0	1		4:42 179601-23-1	
n-Butylbenzene	ND ug/L	1.0	1		4:42 104-51-8	
π-Propylbenzene	ND ug/L	1.0	1		4:42 103-65-1	
o-Xylene	ND ug/L	1.0	1		4:42 95-47-6	

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REPORT OF LABORATORY ANALYSIS

Page 68 of 107

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CABOT-EPA 007006



ANALYTICAL RESULTS

Project:

2H/4H 39938634.00017

Pace Project No.: 3027322

Sample: TB-01	Lab ID:	3027322029	Collected: 05/07/	00.00	Received. 0	05/08/10 09:07	Matrix. Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical	Method: EPA 82	160					
p-isopropyitoluene	N	D ug/L	1.0	1		05/10/10 14:42	2 99-87-6	
sec-Butylbenzene	N	D ug/L	1.0	1		05/10/10 14:42	2 135-98-8	
trans-1,2-Dichloroethene	N	D ug/L	1.0	1		05/10/10 14:42	2 156-60-5	
trans-1,3-Dichloropropene	N	D ug/L	1.0	1		05/10/10 14:42	2 10061-02-6	
4-Bromofluorobenzene (S)	9	8 %	70-130	1		05/10/10 14:4:	2 460-00-4	
1,2-Dichloroethane-d4 (S)	10	4 %	70-130	1		05/10/10 14:4:	2 17060-07-0	
Toluene-d8 (S)	9	7 %	70-130	1		05/10/10 14:4:	2 2037-26-5	

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REPORT OF LABORATORY ANALYSIS

Page 69 of 107

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CABOT-EPA 007007



QUALITY CONTROL DATA

Project:

2H/4H 39938634 00017

Pace Project No.:

3027322

MPRP/3813

Analysis Method:

EPA 6010B

QC Batch: QC Batch Method: EPA 3050

Analysis Description:

6010 MET

Associated Lab Samples: 3027322005, 3027322007, 3027322012, 3027322014, 3027322016, 3027322018, 3027322025, 3027322027

METHOD BLANK: 167992

Matrix: Solid

Associated Lab Samples: 3027322005, 3027322007, 3027322012, 3027322014, 3027322016, 3027322018, 3027322025, 3027322027

	,	Blank	Reporting	•	
Parameter	Units	Result	Limit	Analyzed	Qualifiers
Aluminum	mg/kg	ND	10.0	05/11/10 12:57	
Antimony	mg/kg	ND	0.50	05/11/10 12:57	
Arsenic	mg/kg	ND	0.50	05/11/10 12:57	
Barium	mg/kg	ND	2.0	05/11/10 12:57	
Beryllium	mg/kg	ND	0.20	05/11/10 12:57	
Boron	mg/kg	ND	5.0	05/11/10 12:57	
Cadmium	mg/kg	ND	0 20	05/11/10 12:57	
Calcium	mg/kg	ND	200	05/11/10 12:57	
Chromium	mg/kg	ND	0.50	05/11/10 12:57	
Cobalt	mg/kg	ND	1.0	05/11/10 12:57	
Copper	mg/kg	ND	1.0	05/11/10 12:57	
Iron	mg/kg	ND	10.0	05/11/10 12:57	
Lead	mg/kg	ND	0.50	05/11/10 12:57	
Magnesium	mg/kg	ND	50.0	05/11/10 12.57	
Manganese	mg/kg	ND	1.0	05/11/10 12:57	
Molybdenum	mg/kg	ND	2.0	05/11/10 12:57	
Nickel	mg/kg	ND	2.0	05/11/10 12:57	
Potassium	mg/kg	ND	50.0	05/11/10 12:57	
Selenium	mg/kg	ND	0.50	05/11/10 12:57	
Silver	mg/kg	ND	0.20	05/11/10 12:57	
Sodium	mg/kg	ND	500	05/11/10 12:57	
Thallium	mg/kg	ND	2.0	05/11/10 12:57	
Vanadium	mg/kg	ND	1.0	05/11/10 12:57	
Zinc	mg/kg	ND	1.0	05/11/10 12:57	

LABORATORY CONTROL SAM	MPLE: 167993					
		Spike	LCS	LCS	% Rec	
Parameter	Units	Conc.	Result	% Rec	Limits	Qualifiers
Aluminum	mg/kg	500	462	92	80-120	
Antimony	mg/kg	50	46.9	94	80-120	
Arsenic	mg/kg	50	44.5	89	80-120	
Barium	mg/kg	50	49.7	99	80-120	
Beryllium	mg/kg	50	47.8	96	80-120	
Boron	mg/kg	50	44.4	89	80-120	
Cadmium	mg/kg	50	47.9	96	80-120	
Calcium	mg/kg	500	448	90	80-120	
Chromium	mg/kg	50	48.8	98	80-120	
Cobalt	mg/kg	50	48.0	96	80-120	
Copper	mg/kg	50	51.1	102	80-120	
Iron	mg/kg	5 00	463	93	80-120	
Lead	mg/kg	50	47.2	94	80-120	

Date: 06/15/2010 04:57 PM

LABORATORY CONTROL CAMPLE: 407003

REPORT OF LABORATORY ANALYSIS

Page 70 of 107

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CABOT-EPA 007008



QUALITY CONTROL DATA

Project.

2H/4H 39938634.00017

Pace Project No.: 3027322

LABORATORY CONTROL SAMI	PLE: 167993					<u>-</u>
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Magnesium	mg/kg	500	446	89	80-120	
Manganese	mg/kg	50	48.3	97	80-120	
Molybdenum	mg/kg	50	48.0	96	80-120	
Nickel	mg/kg	50	48.2	96	80-120	
Potassium	mg/kg	500	431	86	80-120	
Selenium	mg/kg	50	42.1	84	80-120	
Bilver	mg/kg	25	25.0	100	80-120	
Sodium	mg/kg	500	469J	94	80-120	
Thallium	mg/kg	50	50.2	100	80-120	
/anadium	mg/kg	50	48.7	97	80-120	
Zinc	mg/kg	50	45.8	92	80-120	

MATRIX SPIKE SAMPLE:	167995						
Parameter	Units	3027328001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Aluminum	mg/kg	15700	390	17500	471	80-120	M1
^ntimony	mg/kg	0.61	39	15.0	37	80-120	M1
senic	mg/kg	4.7	39	38.1	85	80-120	
arium	mg/kg	140	39	167	69	80-120	M1
Beryllium	mg/kg	0.99	39	36.0	90	80-120	
Boron	mg/kg	8.7	39	37.9	75	80-120	M1
Cadmium	mg/kg	ND	39	34.3	88	80-120	
Calcium	mg/kg	1210	390	1550	87	80-120	
Chromium	mg/kg	17.1	39	53.6	93	80-120	
Cobalt	mg/kg	12.7	39	48.2	91	80-120	
Copper	mg/kg	17.1	39	51.3	87	80-120	
Iron	mg/kg	23700	390	20700	-778	80-120	M1
Lead	mg/kg	15.7	39	48.3	84	80-120	
Magnesium	mg/kg	2150	390	2440	73	80-120	M1
Manganese	mg/kg	280	39	391	284	80-120	M1
Molybdenum	mg/kg	ND	39	34.4	87	80-120	
Nickel	mg/kg	21.6	39	55.6	87	80-120	
Potassium	mg/kg	1370	390	1830	118	80-120	
Selenium	mg/kg	0.54	39	31.2	79	80-120	M1
Silver	mg/kg	0.36	19.5	18.7	94	80-120	
Sodium	mg/kg	ND	390	606	90	80-120	
Thallium	mg/kg	ND	39	36.1	93	80-120	
Vanadium	mg/kg	27.7	39	64.4	94	80-120	
Zinc	mg/kg	56.2	3 9	90.3	87	80-120	

SAMPLE DUPLICATE: 167994

		3027328001	Dup		
Parameter	Units	Result	Result	RPD	Qualifiers
Aluminum	mg/kg	15700	14300	9	
Antimony	mg/kg	0 61	ND		

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REPORT OF LABORATORY ANALYSIS

Page 71 of 107

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CABOT-EPA 007009



QUALITY CONTROL DATA

Project:

2H/4H 39938634.00017

Pace Project No.: 3027322

SAMPLE DUPLICATE: 16799		3027328001	Dup	EED Ovelifier
Parameter	Units	Result	Result	RPD Qualifier
Arsenic	mg/kg	4.7	5.7	19
Barium	mg/kg	140	131	7
Beryllium	mg/kg	0.99	0.82	18
Boron	mg/kg	8.7	8.3	5
Cadmium	mg/kg	ND	ND	
Calcium	mg/kg	1210	1280	5
Chromium	mg/kg	17.1	16.7	3
Cobalt	mg/kg	12.7	12.8	.2
Copper	mg/kg	17.1	12.9	28 R1
fron	mg/kg	23700	21500	10
Lead	mg/kg	15.7	14.4	9
Magnesium	mg/kg	2150	1950	10
Manganese	mg/kg	280	290	3
Molybdenum	mg/kg	ND	ND	
Nickel	mg/kg	21.6	19.5	10
Potassium	mg/kg	1370	1090	23 R1
Selenium	mg/kg	0.54	.32J	
Silver	mg/kg	0.36	0.47	26 R1
Sodium	mg/kg	ND	239J	
Thallium	mg/kg	ND	ND	
Vanadium	mg/kg	27.7	27.0	3
Zinc	mg/kg	56.2	52.9	6

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Page 72 of 107

CABOT-EPA 007010



QUALITY CONTROL DATA

Project:

2H/4H 39938634.00017

Pace Project No.:

QC Batch:

MPRP/3816

Analysis Method:

EPA 6010B

QC Batch Method:

EPA 3005

Analysis Description:

6010 MET

Associated Lab Samples:

3027322001, 3027322002, 3027322003, 3027322004, 3027322009, 3027322010, 3027322011, 3027322020, 3027322021, 3027322022, 3027322023, 3027322024

METHOD BLANK: 168017

Matrix: Water

Associated Lab Samples:

3027322001, 3027322002, 3027322003, 3027322004, 3027322009, 3027322010, 3027322011, 3027322020,

3027322021, 3027322022, 3027322023, 3027322024

		Blank	Reporting		
Parameter	Units	Result	Limit	Analyzed	Qualifiers
Aluminum	ug/L	ND ND	50.0	05/13/10 11:02	
Antimony	ug/L	ND	5.0	05/13/10 11:02	
Arsenic	ug/L	ND	5.0	05/13/10 11:02	
Barium	ug/L	ND	10 0	05/13/10 11:02	
Beryllium	ug/L	ND	1.0	05/13/10 11:02	
Boron	ug/L	ND	50.0	05/13/10 11:02	
Cadmium	ug/L	ПN	1.0	05/13/10 11:02	
Calcium	ug/L	ND	1000	05/13/10 11:02	
Chromium	ug/L	ND	5.0	05/13/10 11:02	
Cobalt	ug/L	ND	5.0	05/13/10 11:02	
Copper	ug/L	ND	5.0	05/13/10 11:02	
ron	ug/L	ND	50.0	05/13/10 11:02	
∋ad	ug/L	ND	2.0	05/13/10 11:02	
Magnesium	ug/L	ND	200	05/13/10 11:02	
Manganese	ug/L	ND	5.0	05/13/10 11:02	
Molybdenum	ug/L	ND	20.0	05/13/10 11:02	
Nickel	ug/L	ND	10.0	05/13/10 11:02	
Potassium	ug/L	ND	500	05/13/10 11:02	
Selenium	ug/L	ND	5.0	05/13/10 11:02	
Silver	ug/L	ND	1.0	05/13/10 11.02	
Sodium	ug/L	ND	1000	05/13/10 11:02	
Thallium	ug/L	ND	10 .0	05/13/10 11:02	
Vanadium	ug/L	ND	5.0	05/13/10 11:02	
Zinc	ug/L	ND	10.0	05/13/10 11:02	

LABORATORY CONTROL SAM	1PLE: 168018					
		Spike	LCS	LCS	% Rec	
Parameter	Units	Conc.	Result	% Rec	Limits	Qualifiers
Aluminum	ug/L	5000	5040	101	80-120	
Antimony	ug/L	500	497	99	80-120	
Arsenic	ug/L	500	508	102	80-120	
Barium	u g/L	500	517	103	80-120	
Beryllium	ug/L	500	509	102	80-120	
Boron	ug/L	500	497	99	80-120	
Cadmium	ug/L	500	510	102	80-120	
Calcium	ug/L	5000	4980	100	80-120	
Chromium	ug/L	500	506	101	80-120	
Cobalt	ug/L	500	505	101	80-120	
Copper	ug/L	500	517	103	80-120	
¹ron	ug/L	5000	5030	101	80-120	

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REPORT OF LABORATORY ANALYSIS

Page 73 of 107

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CABOT-EPA 007011



QUALITY CONTROL DATA

Project:

2H/4H 39938634.00017

Pace Project No.: 3027322

ABORATORY CONTROL SAMPLE:	168018					
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
ead	ug/L	500	501	100	80-120	
agnesium	ug/L	5000	4990	100	80-120	
anganese	ug/L	500	505	101	80-120	
olybdenum	ug/L	500	504	101	80-120	
ickel	ug/L	500	509	102	80-120	
tassium	ug/L	5000	4820	96	80-120	
enium	ug/L	500	499	100	80-120	
rer	ug/L	250	251	100	80-120	
dium	ug/L	5000	4810	96	80-120	
allium	ug/L	500	527	105	80-120	
nadium	ug/L	500	502	100	80-120	
nc	ug/L	500	500	100	80-120	

MATRIX SPIKE SAMPLE:	168020						
		3027322011	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
Aluminum	ug/L	2360	5000	7240	97	75-125	
Antimony	ug/L	ND	500	465	93	75-125	
Arsenic	ug/L	7.5	500	485	95	75-125	
Barium	ug/L	170	500	637	93	75-125	
Beryllium	ug/L	ND	500	487	97	75-125	
Boron	ug/L	ND	500	503	94	75-125	
Cadmium	ug/L	ND	500	474	95	75-125	
Calcium	ug/L	33200	5000	36300	6 1	75-125	M1
Chromium	ug/L	ND	500	483	96	75-125	
Cobalt	ug/L	ND	500	476	95	75-125	
Copper	ug/L	ND	500	485	96	75-125	
Iron	ug/L	2990	5000	7540	91	75-12 5	
Lead	ug/L	3.2	500	475	94	75-125	
Magnesium	ug/L	7160	5000	11500	86	75-125	
Manganese	ug/L	741	500	1180	87	75-125	
Molybdenum	ug/L	ND	500	478	95	75-125	
Nickel	ug/L	ND	500	474	95	75-125	
Potassium	ug/L	3850	5000	8740	98	75-125	
Selenium	ug/L	ND	500	475	95	75-125	
Silver	ug/L	ND	250	240	96	75-125	
Sodium	ug/L	82700	5000	84200	31	75-125	M1
Thallium	ug/L	ND	500	504	101	75-125	
Vanadium	ug/L	ND	500	482	96	75-125	
Zinc	ug/L	28.6	500	498	94	75-125	

Parameter

ug/L

3027290001 % Rec Spike MS MS Limits Units Result Result % Rec Conc. Qualifiers ND 5000 108 75-125

Date: 06/15/2010 04:57 PM

Aluminum

REPORT OF LABORATORY ANALYSIS

Page 74 of 107

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CABOT-EPA 007012



QUALITY CONTROL DATA

Project:

2H/4H 39938634.00017

Pace Project No.: 3027322

MATRIX SPIKE SAMPLE:	168022						
Parameter	Units	3027290001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	ND	500	509	102	75-125	
Arsenic	u g/ L	ND	500	528	106	75-125	
Barium	ug/L	401	500	892	98	75-125	
Beryllium	ug/L	ND	500	453	91	75-125	
Boron	ug/L	766	500	1270	100	75-125	
Cadmium	ug/L	1.4	500	457	91	75-125	
Calcium	ug/L	2040000	5000	1970000	-1530	75-125 M	11
Chromium	ug/L	501	500	958	91	75-125	
Cobalt	ug/L	ND	50 0	461	92	75-125	
Copper	ug/L	ND	500	535	106	75-125	
Iron	ug/L	60.8	5000	4640	92	75-125	
Lead	ug/L	2.3	500	4 87	97	75-125	
Magnesium	ug/L	137000	5000	137000	3	75-125 M	11
Manganese	ug/L	ND	500	481	96	75-125	
Molybdenum	ug/L	11500	500	11600	28	75-125 N	11
Nickel	ug/L	ND	500	456	91	75-125	
Potassium	ug/L	231000	5000	233000	26	75-125 N	! 1
Selenium	ug/L	286	50 0	545	103	75-125	
rer	ug/L	ND	250	263	105	75-125	
∍dium	ug/L	159000	5000	162000	67	75-125 M	11
Thallium	ug/L	ND	500	530	105	75-125	
Vanadium	ug/L	11.0	500	501	98	75-125	
Zinc	ug/L	16.7	500	443	85	75-125	

SAMPLE DUPLICATE: 16801	9				
Parameter	Units	3027322011 Result	Dup Result	RPD	Qualifiers
Aluminum	ug/L	2360	2250	5	
Antimony	ug/L	ND	ND		
Arsenic	ug/L	7.5	5.6	30	R1
Barium	ug/L	170	169	.6	
Beryllium	ug/L	ND	ND		
Boron	ug/L	ND	29.6J		
Cadmium	ug/L	ND	ND		
Calcium	ug/L	33200	33500	.7	
Chromium	ug/L	ND	3.3J		
Cobalt	ug/L	ND	2J		
Copper	ug/L	ND	5.6		
ron	ug/L	2990	3120	4	
.ead	ug/L	3.2	5.8	59	R1
Magnesium	ug/L	7160	7250	1	
Manganese	ug/L	741	752	1	
Molybdenum	ug/L	ND	ND		
Nickel	ug/L	ND	ND		
Potassium	ug/L	3850	3780	2	
Selenium	ug/L	ND	ND		
lver	ug/L	ND	ND		

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REPORT OF LABORATORY ANALYSIS

Page 75 of 107

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CABOT-EPA 007013



QUALITY CONTROL DATA

Project:

2H/4H 39938634.00017

Pace Project No.: 3027322

SAMPLE DUDLICATE: 189010

Parameter	Units	3027322011 Result	Dup Result	RPD	Qualifiers
Sodium	ug/L	82700	82700	.04	
Thallium	ug/L	ND	ND		
Vanadium	ug/L	ND	2.8J		
Zinc	ug/L	28.6	31,0	8	

Parameter	Units	3027290001 Result	Dup Result	RPD	Qualifiers
Aluminum	ug/L		ND -		
Antimony	ug/L	ND	ND		
Arsenic	ug/L	ND	ND		
Barium	ug/L	401	403	.3	
Beryllium	ug/L	ND	ND		
Boron	ug/L	766	769	.4	
Cadmium	ug/L	1.4	1.1	25 1	R1
Calcium	ug/L	2040000	2030000	.7	**
Chromium	ug/L	501	499	.4	
Cobalt	ug/L	ND	ND		
Copper	ug/L	ND	4.3J		
ron	ug/L	60.8	58.0	5	
Lead	ug/L	2.3	2.0	13	
Magnesium	ug/L	137000	137000	.009	
Manganese	ug/L	ND	3.4J		
Molybdenum	ug/L	11500	·11500	.4	
Nickel	ug/L	ND	ND		
Potassium	ug/L	231000	233000	.8	
Selenium	ug/L	28.6	25.7	1 1	
Silver	ug/L	ND	ND		
Sodium	ug/L	159000	159000	.3	
Thallium	ug/L	ND	ND		
√anadium	ug/L	11.0	10.8	2	
Zinc	ug/L	16 7	10.8	42 I	₹1

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REPORT OF LABORATORY ANALYSIS

Page 76 of 107

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CABOT-EPA 007014



QUALITY CONTROL DATA

Project:

2H/4H 39938634.00017

Pace Project No.:

3027322

MPRP/3821

Analysis Method:

EPA 6010

QC Batch: QC Batch Method:

EPA 3005

Analysis Description:

6010 MET Dissolved

Associated Lab Samples:

3027322001, 3027322002, 3027322003, 3027322004, 3027322009, 3027322010, 3027322011, 3027322020, 3027322021, 3027322022, 3027322023, 3027322024

METHOD BLANK: 168400

Matrix: Water

Associated Lab Samples:

 $3027322001,\ 3027322002,\ 3027322003,\ 3027322004,\ 3027322009,\ 3027322010,\ 3027322011,\ 3027322020,\ 3027322021,\ 3027322022,\ 3027322023,\ 3027322024$

		Blank	Reporting		
Parameter	Units	Result	Limit	Analyzed	Qualifiers
Aluminum, Dissolved	ug/L	ND	50.0	05/12/10 11:04	
Antimony, Dissolved	ug/L	ND	5.0	05/12/10 11:04	
Arsenic, Dissolved	ug/L	ND	5.0	05/12/10 11:04	
Barium, Dissolved	ug/L	ND	10.0	05/12/10 11:04	
Beryllium, Dissolved	ug/L	ND	1.0	05/12/10 11:04	
Boron, Dissolved	ug/L	ND	50.0	05/12/10 11:04	
Cadmium, Dissolved	ug/L	ND	1.0	05/12/10 11:04	
Calcium, Dissolved	ug/L	ND	1000	05/12/10 11:04	
Chromium, Dissolved	ug/L	ND	5.0	05/12/10 11:04	
Cobalt, Dissolved	ug/L	ND	5.0	05/12/10 11:04	
Copper, Dissolved	ug/L	ND	5.0	05/12/10 11:04	
on, Dissolved	ug/L	ND	50.0	05/12/10 11:04	
.ad, Dissolved	ug/L	ND	2.0	05/12/10 11:04	
Magnesium, Dissolved	ug/L	ND	200	05/12/10 11:04	
Manganese, Dissolved	ug/L	ND	5.0	05/12/10 11:04	
Molybdenum, Dissolved	ug/L	ND	20.0	05/12/10 11:04	
Nickel, Dissolved	ug/L	ND	10.0	05/12/10 11:04	
Potassium, Dissolved	ug/L	ND	500	05/12/10 11:04	
Selenium, Dissolved	ug/L	ND	5.0	05/12/10 11:04	
Silver, Dissolved	ug/L	ND	1.0	05/12/10 11:04	
Sodium, Dissolved	ug/L	ND	1000	05/12/10 11:04	
Thallium, Dissolved	ug/L	ND	10.0	05/12/10 11:04	
Vanadium, Dissolved	ug/L	ND	5.0	05/12/10 11:04	
Zinc, Dissolved	ug/L	ND	10.0	05/12/10 11:04	

LABORATORY CONTROL SAMPLE:	168401					
		Spike	LCS	LCS	% Rec	
Parameter	Units	Conc.	Result	% Rec	Limits	Qualifiers
Aluminum, Dissolved	ug/L	5000	4690	94	80-120	
Antimony, Dissolved	ug/L	500	489	98	80-120	
Arsenic, Dissolved	ug/L	500	490	98	80-120	
Barium, Dissolved	ug/L	500	501	100	80-120	
Beryllium, Dissolved	ug/L	500	505	101	80-120	
Boron, Dissolved	ug/L	500	493	99	80-120	
Cadmium, Dissolved	ug/L	500	501	10 0	80-120	
Calcium, Dissolved	ug/L	5000	4760	95	80-120	
Chromium, Dissolved	ug/L	500	499	100	80-120	
Cobalt, Dissolved	ug/L	500	496	99	80-120	
Copper, Dissolved	ug/L	500	496	99	80-120	
'ron, Dissolved	ug/L	5000	4860	97	80-120	

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REPORT OF LABORATORY ANALYSIS

Page 77 of 107

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CABOT-EPA 007015



QUALITY CONTROL DATA

Project:

2H/4H 39938634.00017

Pace Project No.: 3027322

ABORATORY CONTROL SAM	IPLE: 168401					
Parameter	Úñits	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
ead, Dissolved	ug/L	500	499	100	80-120	
gnesium, Dissolved	ug/L	5000	4740	95	80-120	
nganese, Dissolved	ug/L	500	500	100	80-120	
ybdenum, Dissolved	ug/L	500	506	101	80-120	
kel, Dissolved	ug/L	500	507	101	80-120	
ssium, Dissolved	ug/L	5000	4540	91	80-120	
nium, Dissolved	ug/L	500	480	96	80-120	
r, Dissolved	ug/L	250	247	99	80-120	
um, Dissolved	ug/L	5000	4370	87	80-120	
lium, Dissolved	ug/L	500	485	97	80-120	
dium, Dissolved	ug/L	500	497	99	80-120	
, Dissolved	ug/L	500	496	99	80-120	

MATRIX SPIKE SAMPLE:	168403						
		3027322004	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
Aluminum, Dissolved	ug/L	ND	5000	4760	95	75-125	
Antimony, Dissolved	ug/L	ND	500	489	98	75-125	
Arsenic, Dissolved	ug/L	ND	500	479	96	75-125	
Barium, Dissolved	ug/L	75.7	500	560	97	75-125	
Beryllium, Dissolved	ug/L	ND	500	495	99	75 -125	
Boron, Dissolved	ug/L	ND	500	507	99	75-125	
Cadmium, Dissolved	ug/L	ND	500	484	97	75-125	
Calcium, Dissolved	ug/L	14400	5000	18700	86	75-125	
Chromium, Dissolved	ug/L	ND	500	486	97	75-125	
Cobalt, Dissolved	ug/L	ND	500	484	97	75-125	
Copper, Dissolved	ug/L	ND	500	489	97	75-12 5	
Iron, Dissolved	ug/L	ND	5000	4860	96	75-125	
Lead, Dissolved	ug/L	ND	500	479	96	75-125	
Magnesium, Dissolved	ug/L	2940	5000	7590	93	75-125	
Manganese, Dissolved	ug/L	35.6	500	520	97	75-125	
Molybdenum, Dissolved	u g/L	ND	500	501	100	75-125	
Nickel, Dissolved	ug/L	ND	500	490	98	75-125	
Potassium, Dissolved	ug/L	2690	5000	7430	95	75-125	
Selenium, Dissolved	ug/L	ND	500	469	94	75-125	
Silver, Dissolved	ug/L	ND	250	251	100	75-125	
Sodium, Dissolved	ug/L	6290	5000	10900	91	75-125	
Thallium, Dissolved	ug/L	ND	500	484	97	75-125	
Vanadium, Dissolved	ug/L	ND	500	489	98	75-125	
Zinc, Dissolved	ug/L	ND	500	487	96	75-125	

SAMPLE DUPLICATE: 168402

3027322004 Dup Parameter Units Resuit Result RPD Qualifiers Aluminum, Dissolved ug/L ND ND

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REPORT OF LABORATORY ANALYSIS

Page 78 of 107

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CABOT-EPA 007016



QUALITY CONTROL DATA

Project:

2H/4H 39938634.00017

Pace Project No.: 3027322

SAMPLE DUPLICATE: 168402					
Dto	44-14-	3027322004	Dup	DDD	
Parameter	Units	Result	Result	RPD	Qualifiers
Antimony, Dissolved	ug/L	ND	ND		
Arsenic, Dissolved	ug/L	ND	ND		
Barium, Dissolved	ug/L	75.7	69.7	8	
Beryllium, Dissolved	ug/L	ND	ND		
Boron, Dissolved	ug/L	ND	ND		
Cadmium, Dissolved	ug/L	ND	ND		
Calcium, Dissolved	ug/L	14400	13500	6	
Chromium, Dissolved	ug/L	ND	ND		
Cobalt, Dissolved	ug/L	ND	ND		
Copper, Dissolved	ug/L	ND	ND		
Iron, Dissolved	ug/L	ND	25.6J		
Lead, Dissolved	ug/L	ND	3.2		
Magnesium, Dissolved	ug/L	2940	2760	7	
Manganese, Dissolved	ug/L	35.6	33.0	7	
Molybdenum, Dissolved	ug/L	ND	ND		
Nickel, Dissolved	u g/L	ND	ND		
Potassium, Dissolved	ug/L	2690	2520	6	
Selenium, Dissolved	u g/ L	ND	ND		
Iver, Dissolved	ug/L	ND	ND		
odium, Dissolved	u g/ L	6290	5840	8	
Thallium, Dissolved	ug/L	ND	ND		
Vanadium, Dissolved	ug/L	ND	ND		
Zinc, Dissolved	ug/L	ND	5.2J		

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REPORT OF LABORATORY ANALYSIS

Page 79 of 107

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CABOT-EPA 007017



QUALITY CONTROL DATA

Project.

2H/4H 39938634.00017

Pace Project No.:

3027322

QC Batch:

MERP/1894

Analysis Method:

EPA 7470

QC Batch Method:

EPA 7470

Analysis Description:

7470 Mercury

Associated Lab Samples:

3027322001, 3027322002, 3027322003, 3027322004, 3027322009, 3027322010, 3027322011, 3027322020, 3027322021, 3027322022, 3027322023, 3027322024

METHOD BLANK: 168280

Associated Lab Samples:

3027322001, 3027322002, 3027322003, 3027322004, 3027322009, 3027322010, 3027322011, 3027322020,

3027322021, 3027322022, 3027322023, 3027322024

Blank Result

Spike

Conc.

Reporting Limit

Analyzed

Qualifiers

Parameter Units Mercury ug/L

ND

0.20 05/12/10 07:24

LABORATORY CONTROL SAMPLE: 168281

Units Parameter Mercury ug/L

LCS Result 1.0

LCS % Rec 100

% Rec Limits

85-115

Qualifiers

MATRIX SPIKE SAMPLE: 168283

Parameter Units

3027322001 Result ND

ND

ND

ND

MS Spike Conc. Result

MS % Rec % Rec Limits

Qualifiers 85-115

MATRIX SPIKE SAMPLE:

Parameter

Parameter

Parameter

168285

ug/L

ug/L

ug/L

ug/L

3027322023 Result

Spike Conc.

2.5

MS Result

2.6

MS % Rec % Rec Limits

Qualifiers 85-115

SAMPLE DUPLICATE: 168282

Units

Units

Units

3027322001 Result

Dup Result

RPD

RPD

Qualifiers

106

Mercury

Mercury

Mercury

Mercury

SAMPLE DUPLICATE: 168284

3027322023

Result

Dup Result

ND

ND

Qualifiers

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REPORT OF LABORATORY ANALYSIS

Page 80 of 107

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CABOT-EPA 007018



QUALITY CONTROL DATA

Project:

2H/4H 39938634.00017

Pace Project No.:

QC Batch:

MERP/1895

Analysis Method:

EPA 7470

QC Batch Method:

EPA 7470

Analysis Description:

7470 Mercury Dissolved

Associated Lab Samples:

 $3027322001,\ 3027322002,\ 3027322003,\ 3027322004,\ 3027322009,\ 3027322010,\ 3027322011,\ 3027322020,\ 3027322010,\ 3027322011,\ 3027322020,\ 3027322010,\ 3027322011,\ 3027322010,\ 3027322011,\ 302$

3027322021, 3027322022, 3027322023, 3027322024

METHOD BLANK: 168286

Parameter

Parameter

Parameter

Parameter

Parameter

Matrix: Water

Associated Lab Samples:

3027322001, 3027322002, 3027322003, 3027322004, 3027322009, 3027322010, 3027322011, 3027322020,

3027322021, 3027322022, 3027322023, 3027322024

Blank

Result

Reporting Limit Analyzed

Qualifiers

Mercury, Dissolved

ug/L

ND

0.20 05/12/10 08:13

LABORATORY CONTROL SAMPLE:

Spike

LCS Result

LCS % Rec % Rec Limits Qualifiers

Mercury, Dissolved

Mercury, Dissolved

Mercury, Dissolved

ug/L

Units

Units

Units

Units

Conc.

1.0

102

2.7

2.4

85-115

108

MATRIX SPIKE SAMPLE:

168289

ug/L

ug/L

ug/L

3027322001 Result

Spike Conc.

ND

ND

MS Result

MS % Rec % Rec Limits

75-125

75-125

Qualifiers

MATRIX SPIKE SAMPLE:

168291

3027322023 Result

Spike Conc.

2.5

2.5

MS Result

MS % Rec % Rec Limits

Qualifiers

SAMPLE DUPLICATE: 168288

3027322001 Result

Dup Result

RPD

Qualifiers

Mercury, Dissolved

Mercury, Dissolved

Parameter

Units

ND

ND

ND

SAMPLE DUPLICATE: 168290

Units

ug/L

3027322023 Result

Dup Result

RPD

ND

Qualifiers

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REPORT OF LABORATORY ANALYSIS

Page 81 of 107

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CABOT-EPA 007019

DIM0227454



QUALITY CONTROL DATA

Project: 2H/4H 39938634.00017

Pace Project No.: 302732

QC Batch: MERP/1891 Analysis Method: QC Batch Method: EPA 7471 Analysis Descript

Analysis Method: EPA 7471
Analysis Description: 7471 Mercury

Associated Lab Samples: 3027322005, 3027322007, 3027322012, 3027322014, 3027322016, 3027322018, 3027322025, 3027322027

METHOD BLANK: 168123 Matrix: Solid

Associated Lab Samples: 3027322005, 3027322007, 3027322012, 3027322014, 3027322016, 3027322018, 3027322025, 3027322027

Blank Reporting

 Parameter
 Units
 Result
 Limit
 Analyzed
 Qualifiers

 Mercury
 mg/kg
 ND
 0.10
 05/11/10 10:03

LABORATORY CONTROL SAMPLE: 168124

LCS LCS Spike % Rec Parameter Units Conc. Result % Rec Limits Qualifiers Mercury mg/kg .042 .042J 100 85-115

MATRIX SPIKE SAMPLE: 168126

5037243001 MS MS % Rec Spike Parameter Units Result Conc. Result % Rec Limits Qualifiers ND 95 Mercury mg/kg .098 0.10 75-125

SAMPLE DUPLICATE: 168125

 Parameter
 Units
 5037243001 Result
 Dup Result
 RPD
 Qualifiers

 Mercury
 mg/kg
 ND
 .0099J
 .0099J

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REPORT OF LABORATORY ANALYSIS

Page 82 of 107

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CABOT-EPA 007020



QUALITY CONTROL DATA

Project:

QC Batch:

2H/4H 39938634.00017

Pace Project No.:

3027322

MSV/5777

Analysis Method:

EPA 8260

QC Batch Method:

EPA 8260

Analysis Description:

8260 MSV 5035 Low

Associated Lab Samples: 3027322005, 3027322007, 3027322016, 3027322018, 3027322027

METHOD BLANK: 168221

Matrix: Solid

Reporting

Associated Lab Samples: 3027322005, 3027322007, 3027322016, 3027322018, 3027322027

Blank

		Biank	Reporting		
Parameter	Units	Result	Lımit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/kg	ND	5.0	05/10/10 11:36	
1,1,2,2-Tetrachloroethane	ug/kg	ND	5.0	05/10/10 11:36	
1,1,2-Trichloroethane	ug/kg	ND	5.0	05/10/10 11:36	
1,1-Dichloroethane	ug/kg	ND	5.0	05/10/10 11:36	
1,1-Dichloroethene	ug/kg	ND	5.0	05/10/10 11:36	
1,2,4-Trichlorobenzene	ug/kg	ND	5.0	05/10/10 11:36	
1,2,4-Trimethylbenzene	ug/kg	ND	5.0	05/10/10 11:36	
1,2-Dichlorobenzene	ug/kg	ND	5.0	05/10/10 11:36	
1,2-Dichloroethane	ug/kg	ND	5.0	05/10/10 11:36	
1,2-Dichloropropane	ug/kg	ND	5.0	05/10/10 11:36	
1,3,5-Trimethylbenzene	ug/kg	ND	5.0	05/10/10 11:36	
1,3-Dichlorobenzene	ug/kg	ND	5.0	05/10/10 11:36	
1,4-Dichlorobenzene	ug/kg	ND	5.0	05/10/10 11:36	
Butanone (MEK)	ug/kg	ND	100	05/10/10 11:36	
2-Hexanone	ug/kg	ND	10 .0	05/10/10 11:36	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	10.0	05/10/10 11:36	
Acetone	ug/kg	ND	10.0	05/10/10 11:36	
Benzene	ug/kg	ND	5.0	05/10/10 11:36	
Bromochloromethane	ug/kg	ND	5.0	05/10/10 11:36	
Bromodichloromethane	ug/kg	ND	5.0	05/10/10 11:36	
Bromoform	ug/kg	ND	5.0	05/10/10 11:36	
Bromomethane	ug/kg	ND	5.0	05/10/10 11:36	
Carbon disulfide	ug/kg	ND	5.0	05/10/10 11:36	
Carbon tetrachloride	ug/kg	ND	50	05/10/10 11:36	
Chlorobenzene	ug/kg	ND	5.0	05/10/10 11:36	
Chloroethane	ug/kg	ND	5.0	05/10/10 11:36	
Chloroform	ug/kg	ND	5.0	05/10/10 11:36	
Chloromethane	ug/kg	ND	5.0	05/10/10 11:36	
cis-1,2-Dichloroethene	ug/kg	ND	5.0	05/10/10 11:36	
cis-1,3-Dichloropropene	ug/kg	ND	5.0	05/10/10 11:36	
Dibromochloromethane	ug/kg	ND	5.0	05/10/10 11:36	
Ethylbenzene	ug/kg	ND	5.0	05/10/10 11:36	
Isopropylbenzene (Cumene)	ug/kg	ND	5.0	05/10/10 11:36	
m&p-Xylene	ug/kg	ND	10.0	05/10/10 11:36	
Methyl-tert-butyl ether	ug/kg	DN	50	05/10/10 11:36	
Methylene Chloride	ug/kg	ND	5.0	05/10/10 11:36	
n-Butylbenzene	ug/kg	ND	5.0	05/10/10 11:36	
n-Propylbenzene	ug/kg	ND	50	05/10/10 11:36	
Naphthalene	ug/kg	ND	5.0	05/10/10 11:36	
o-Xylene	ug/kg	ND	5.0	05/10/10 11:36	
p-Isopropyltotuene	ug/kg	ND	50	05/10/10 11:36	
sec-Butylbenzene	ug/kg	ND	50	05/10/10 11:36	
Styrene	ug/kg	ND	5.0	05/10/10 11:36	

Date: 06/15/2010 04:57 PM

REPORT OF LABORATORY ANALYSIS

Page 83 of 107

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CABOT-EPA 007021



Qualifiers

QUALITY CONTROL DATA

Project:

2H/4H 39938634.00017

Pace Project No.:

LABORATORY CONTROL SAMPLE: 168222

METHOD BLANK: 168221

Matrix: Solid

Associated Lab Samples: 3027322005, 3027322007, 3027322016, 3027322018, 3027322027

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Tetrachloroethene	ug/kg	ND	5.0	05/10/10 11:36	
Toluene	ug/kg	ND	5.0	05/10/10 11:36	
TOTAL BTEX	ug/kg	ND	30.0	05/10/10 11:36	
trans-1,2-Dichloroethene	ug/kg	ND	5.0	05/10/10 11:36	
trans-1,3-Dichloropropene	ug/kg	ND	5.0	05/10/10 11:36	
Trichloroethene	ug/kg	ND	5.0	05/10/10 11:36	
Vinyl chloride	u g /kg	ND	5.0	05/10/10 11:36	
Xylene (Total)	ug/kg	ND	15.0	05/10/10 11:36	
1,2-Dichloroethane-d4 (S)	%	111	70-130	05/10/10 11:36	
4-Bromofluorobenzene (S)	%	9 8	70-130	05/10/10 11:36	
Toluene-d8 (S)	%	92	70-130	05/10/10 11:36	

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits
1,1,1-Trichloroethane	ug/kg	20	21.7	108	70-
1.1.2.2-Tetrachloroethane	ua/ka	20	16.7	R4	70-

1,1,1-Trichloroethane	ug/kg	20	21.7	108	70-130	
1,1,2,2-Tetrachloroethane	ug/kg	20	16.7	84	70-13 0	
1,1,2-Trichloroethane	ug/kg	20	17.6	88	70-130	
1,1-Dichloroethane	ug/kg	20	22.2	111	70-130	
1,1-Dichloroethene	ug/kg	20	18.0	90	70-130	
1,2,4-Trichlorobenzene	ug/kg	20	16.3	82	70-130	
1,2,4-Trimethylbenzene	ug/kg	20	17.7	89	70-130	
1,2-Dichlorobenzene	ug/kg	20	17.5	88	70-130	
1,2-Dichloroethane	ug/kg	20	21.5	107	70-130	
1,2-Dichloropropane	ug/kg	20	19.6	98	70-130	
1,3,5-Trimethylbenzene	ug/kg	20	17.9	89	70-130	
1,3-Dichlorobenzene	ug/kg	20	17.7	88	70-130	
1,4-Dichlorobenzene	ug/kg	20	17.5	87	7 0-13 0	
2-Butanone (MEK)	ug/kg	20	19.3	96	70-130	
2-Hexanone	ug/kg	20	21.6	108	70-130	
4-Methyl-2-pentanone (MIBK)	ug/kg	20	23.3	116	70-130	
Acetone	ug/kg	20	25.5	128	70-130	
Benzene	ug/kg	20	20.6	103	70-130	
Bromochloromethane	ug/kg	20	20.4	102	70-130	
Bromodichloromethane	ug/kg	20	20 3	102	70-130	
Bromoform	ug/kg	20	16.4	82	70-130	
Bromomethane	ug/kg	20	19.5	97	70-130	
Carbon disulfide	ug/kg	20	36.6	183	70-130 L	.0
Carbon tetrachloride	ug/kg	20	21.7	109	70-130	
Chlorobenzene	ug/kg	20	18.2	91	70-130	
Chloroethane	ug/kg	20	20.3	102	70-130	
Chloroform	ug/kg	20	21.5	108	70-130	
Chloromethane	ug/kg	20	19.5	98	70-130	
cis-1,2-Dichloroethene	ug/kg	20	20.2	101	70-130	
cis-1,3-Dichloropropene	ug/kg	20	19.5	98	70-130	

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REPORT OF LABORATORY ANALYSIS

Page 84 of 107

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CABOT-EPA 007022



QUALITY CONTROL DATA

Project:

2H/4H 39938634.00017

Pace Project No.: 3027322

LABORATORY CONTROL SAMP	LE. 168222	Spike	LCS	LCS	% Rec	
Parameter	Units	Conc.	Result	% Rec	% Rec	Qualifiers
Dibromochloromethane	ug/kg	20	17.4	87	70-130	
Ethylbenzene	ug/kg	20	18.6	93	70-130	
sopropylbenzene (Cumene)	ug/kg	20	18.5	92	70-130	
m&p-Xylene	ug/kg	40	37.4	94	70-130	
Methyl-tert-butyl ether	ug/kg	20	22.7	114	70-130	
Methylene Chloride	ug/kg	20	17.2	86	70-130	
n-Butylbenzene	ug/kg	20	17.8	89	70-130	
n-Propylbenzene	ug/kg	20	17.9	89	70-130	
Naphthalene	ug/kg	20	16.4	82	70-130	
o-Xylene	ug/kg	20	18.6	93	70-130	
o-Isopropyltoluene	ug/kg	20	18.1	90	70-130	
sec-Butylbenzene	ug/kg	20	18.3	92	70-130	
Styrene	ug/kg	20	17.4	87	70-130	
Tetrachloroethene	ug/kg	20	19.1	96	70-130	
[oluene	ug/kg	20	18.5	93	70-130	
TOTAL BTEX	ug/kg		114			
rans-1,2-Dichloroethene	ug/kg	20	17.8	89	70-130	
rans-1,3-Dichloropropene	ug/kg	20	16.6	83	70-130	
'chloroethene	ug/kg	20	21.0	105	70-130	
ayl chloride	ug/kg	20	20.2	101	70-130	
(Yolene (Total)	ug/kg	60	56.0	93	70-130	
l,2-Dichloroethane-d4 (S)	%			111	70-130	
-Bromofluorobenzene (S)	%			97	70-130	
foluene-d8 (S)	%			92	70-130	

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REPORT OF LABORATORY ANALYSIS

Page 85 of 107

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CABOT-EPA 007023



QUALITY CONTROL DATA

Project:

2H/4H 39938634.00017

Pace Project No.: 3027322

QC Batch:

MSV/5799

Analysis Method:

EPA 8260

QC Batch Method: EPA 8260

Analysis Description:

8260 MSV 5035 Low

Associated Lab Samples:

3027322012, 3027322014, 3027322025

METHOD BLANK: 169222

Matrix. Solid

Associated Lab Samples: 3027322012, 3027322014, 3027322025

		Blank	Reporting		
Parameter	Units	Result	Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/kg	ND	5.0	05/12/10 10:49	
1,1,2,2-Tetrachloroethane	ug/kg	ND	5.0	05/12/10 10:49	
1,1,2-Trichloroethane	ug/kg	ND	5.0	05/12/10 10:49	
1,1-Dichloroethane	ug/kg	ND	5.0	05/12/10 10:49	
1,1-Dichloroethene	ug/kg	ND	5.0	05/12/10 10:49	
1,2,4-Trichlorobenzene	ug/kg	ND	5.0	05/12/10 10:49	
1,2,4-Trimethylbenzene	ug/kg	ND	5.0	05/12/10 10:49	
1,2-Dichlorobenzene	ug/kg	ND	5.0	05/12/10 10:49	
1,2-Dichloroethane	ug/kg	ND	5.0	05/12/10 10:49	
1,2-Dichloropropane	ug/kg	ND	5.0	05/12/10 10:49	
1,3,5-Trimethylbenzene	ug/kg	ND	5.0	05/12/10 10.49	
1,3-Dichlorobenzene	ug/kg	ND	5.0	05/12/10 10:49	
1,4-Dichlorobenzene	ug/kg	ND	5.0	05/12/10 10:49	
2-Butanone (MEK)	ug/kg	ND	10.0	05/12/10 10:49	
2-Hexanone	ug/kg	ND	10.0	05/12/10 10:49	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	10.0	05/12/10 10:49	
Acetone	ug/kg	10.9	10.0	05/12/10 10:49	B,C9
Benzene	ug/kg	ND	50	05/12/10 10:49	
Bromochloromethane	ug/kg	ND	50	05/12/10 10:49	
Bromodichloromethane	ug/kg	ND	5.0	05/12/10 10:49	
Bromoform	ug/kg	ND	5.0	05/12/10 10:49	
Bromomethane	ug/kg	ND	5.0	05/12/10 10:49	
Carbon disulfide	ug/kg	ND	5.0	05/12/10 10:49	
Carbon tetrachloride	ug/kg	ND	5.0	05/12/10 10:49	
Chlorobenzene	ug/kg	ND	5.0	05/12/10 10:49	
Chloroethane	ug/kg	ND	50	05/12/10 10:49	
Chloroform	ug/kg	ND	50	05/12/10 10:49	
Chloromethane	ug/kg	ND	5.0	05/12/10 10:49	
cis-1,2-Dichloroethene	ug/kg	ND	5.0	05/12/10 10.49	
cis-1,3-Dichloropropene	ug/kg	ND	5.0	05/12/10 10:49	
Dibromochloromethane	ug/kg	ND	5.0	05/12/10 10:49	
Ethylbenzene	ug/kg	NĐ	5.0	05/12/10 10:49	
Isopropylbenzene (Cumene)	ug/kg	ND	50	05/12/10 10:49	
m&p-Xylene	ug/kg	ND	10.0	05/12/10 10:49	
Methyl-tert-butyl ether	ug/kg	ND	5.0	05/12/10 10:49	
Methylene Chloride	ug/kg	ND	5.0	05/12/10 10.49	
n-Butylbenzene	ug/kg	ND	5.0	05/12/10 10:49	
n-Propylbenzene	ug/kg	ND	5.0	05/12/10 10:49	
Naphthalene	ug/kg	ND	5.0	05/12/10 10:49	
o-Xylene	ug/kg	ND	5.0	05/12/10 10:49	
p-Isopropyltoluene	ug/kg	ND	5.0	05/12/10 10.49	
sec-Butylbenzene	ug/kg	ND	5.0	05/12/10 10:49	
Styrene	ug/kg	ND	50	05/12/10 10:49	

Date: 06/15/2010 04:57 PM

REPORT OF LABORATORY ANALYSIS

Page 86 of 107

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CABOT-EPA 007024



QUALITY CONTROL DATA

Project:

2H/4H 39938634.00017

Pace Project No.:

Matrix: Solid

METHOD BLANK: 169222

Associated Lab Samples: 3027322012, 3027322014, 3027322025

		Blank	Reporting			
Parameter	Units	Result	Limit	Analyzed	Qualifiers	
Tetrachloroethene	ug/kg	ND	5.0	05/12/10 10:49		
Toluene	ug/kg	ND	5. 0	05/12/10 10:49		
TOTAL BTEX	ug/kg	ND	30.0	05/12/10 10:49		
rans-1,2-Dichloroethene	ug/kg	ND	5.0	05/12/10 10:49		
rans-1,3-Dichloropropene	ug/kg	ND	5.0	05/12/10 10:49		
Frichloroethene	ug/kg	ND	5.0	05/12/10 10:49		
/inyl chloride	ug/kg	ND	5.0	05/12/10 10.49		
Kylene (Total)	ug/kg	ND	15.0	05/12/10 10:49		
1,2-Dichloroethane-d4 (S)	%	95	70-130	05/12/10 10.49		
I-Bromofluorobenzene (S)	%	99	70-130	05/12/10 10:49		
Toluene-d8 (S)	%	99	70-130	05/12/10 10:49		

LABORATORY CONTROL SAMPLE:	169223					
		Spike	LCS	LCS	% Rec	
Parameter	Units	Conc	Result	% Rec	Limits	Qualifiers
1,1-Trichloroethane	ug/kg	20	19.4	97	70-130	
1,2,2-Tetrachloroethane	ug/kg	20	19 5	98	70-130	
1,1,2-Trichloroethane	ug/kg	20	19.8	99	70-130	
1,1-Dichloroethane	ug/kg	20	19.6	98	70-130	
1,1-Dichloroethene	ug/kg	20	15.6	78	70-130	
1,2,4-Trichlorobenzene	ug/kg	20	19.1	95	70-130	
1,2,4-Trimethylbenzene	ug/kg	20	19.9	99	70-130	
1,2-Dichlorobenzene	ug/kg	20	19.7	99	70-130	
1,2-Dichloroethane	ug/kg	20	19.0	95	70-130	
1,2-Dichloropropane	ug/kg	20	20.0	100	70-130	
1,3,5-Trimethylbenzene	ug/kg	20	20 3	102	70-130	
1,3-Dichlorobenzene	ug/kg	20	19.7	99	70-130	
1,4-Dichlorobenzene	ug/kg	20	20.1	101	70-130	
2-Butanone (MEK)	ug/kg	20	20.6	103	70-130	
2-Hexanone	ug/kg	20	19.5	97	70-130	
4-Methyl-2-pentanone (MIBK)	ug/kg	20	20.3	102	70-130	
Acetone	ug/kg	20	27.5	138	70-130 I	LO
Benzene	ug/kg	20	19.9	99	70-130	
Bromochloromethane	ug/kg	20	19.3	96	70-130	
Bromodichloromethane	ug/kg	20	18.3	91	70-130	
Bromoform	ug/kg	20	16.7	84	70-130	
Bromomethane	ug/kg	20	15.4	77	70-130	
Carbon disulfide	ug/kg	20	20.5	102	70-130	
Carbon tetrachloride	ug/kg	20	18.8	94	70-130	
Chlorobenzene	ug/kg	20	19.8	99	70-130	
Chloroethane	ug/kg	20	19.8	99	70-130	
Chloroform	ug/kg	20	19.7	98	70-130	
Chloromethane	ug/kg	20	14.8	74	70-130	
cis-1,2-Dichloroethene	ug/kg	20	19.5	98	70-130	
cis-1,3-Dichloropropene	ug/kg	20	18.5	93	70-130	

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REPORT OF LABORATORY ANALYSIS

Page 87 of 107

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CABOT-EPA 007025



QUALITY CONTROL DATA

Project:

2H/4H 39938634.00017

Pace Project No.: 3027322

LABORATORY CONTROL SAMPLE:	169223					
		Spike	LCS	LCS	% Rec	
Parameter	Units	Conc.	Result	% Rec	Limits	Qualifiers
Dibromochloromethane	ug/kg	20	18.3	91	70-130	
Ethylbenzene	ug/kg	20	20.7	104	70-130	
sopropylbenzene (Cumene)	ug/kg	20	21.4	107	70-130	
m&p-Xylene	ug/kg	40	40.8	102	70-130	
Methyl-tert-butyl ether	ug/kg	20	19.0	95	70-130	
Methylene Chloride	ug/kg	20	19.6	98	70-130	
n-Butylbenzene	ug/kg	20	20.2	101	70-130	
n-Propylbenzene	ug/kg	20	20.9	10 5	70-130	
Naphthalene	ug/kg	20	19.1	96	70-130	
p-Xylene	ug/kg	20	19.5	97	70-130	
o-Isopropyltoluene	ug/kg	20	20.3	101	70-130	
ec-Butylbenzene	ug/kg	20	20 6	103	70-130	
Styrene	ug/kg	20	18.4	92	70-130	
Tetrachloroethene	ug/kg	20	19.9	100	70-130	
oluene	ug/kg	20	20.3	102	70-130	
TOTAL BTEX	ug/kg		121			
rans-1,2-Dichloroethene	ug/kg	20	19 0	9 5	70-130	
rans-1,3-Dichloropropene	ug/kg	20	18.3	91	70-130	
Frichloroethene	ug/kg	20	19.4	97	70-130	
/inyl chloride	ug/kg	20	14.9	74	70-130	
(ylene (Total)	ug/kg	60	60.3	10 0	70-130	
,2-Dichloroethane-d4 (S)	%			95	70-130	
I-Bromofluorobenzene (S)	%			100	70-130	
Toluene-d8 (S)	%			102	70-130	

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REPORT OF LABORATORY ANALYSIS

Page 88 of 107

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CABOT-EPA 007026



QUALITY CONTROL DATA

Project:

2H/4H 39938634.00017

Pace Project No.:

3027322

QC Batch:

MSV/5770

Analysis Method:

EPA 8260

QC Batch Method:

EPA 8260

Analysis Description:

8260 MSV

Associated Lab Samples:

 $3027322001,\ 3027322002,\ 3027322003,\ 3027322004,\ 3027322009,\ 3027322010,\ 3027322011,\ 3027322020,\ 3027322021,\ 3027322022,\ 3027322023,\ 3027322024,\ 3027322029$

METHOD BLANK: 168069

Matrix: Water

Associated Lab Samples

 $3027322001,\ 3027322002,\ 3027322003,\ 3027322004,\ 3027322009,\ 3027322010,\ 3027322011,\ 3027322020,\ 3027322021,\ 3027322022,\ 3027322023,\ 3027322024,\ 3027322029$ Reporting

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		DIATIK	Reporting		
Parameter	Units	Result	Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	1.0	05/10/10 14:16	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	05/10/10 14:16	
1,1,2-Trichloroethane	ug/L	ND	1.0	05/10/10 14:16	
1,1-Dichloroethane	ug/L	ND	1.0	05/10/10 14:16	
1,1-Dichloroethene	ug/L	ND	1.0	05/10/10 14:16	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	05/10/10 14:16	
1,2,4-Trimethylbenzene	ug/L	ND	1.0	05/10/10 14:16	
1,2-Dichlorobenzene	ug/L	ND	1.0	05/10/10 14:16	
1,2-Dichloroethane	ug/L	ND	1.0	05/10/10 14:16	
1,2-Dichloropropane	ug/L	ND	1.0	05/10/10 14:16	
1,3,5-Trimethylbenzene	ug/L	ND	1.0	05/10/10 14:16	
3-Dichlorobenzene	ug/L	ND	1.0	05/10/10 14:16	
,4-Dichlorobenzene	ug/L	ND	1.0	05/10/10 14:16	
2-Butanone (MEK)	ug/L	ND	10.0	05/10/10 14:16	
2-Hexanone	ug/L	ND	10.0	05/10/10 14:16	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	10.0	05/10/10 14:16	
Acetone	ug/L	ND	10.0	05/10/10 14:16	
Benzene	ug/L	ND	1.0	05/10/10 14:16	
Bromochioromethane	ug/L	ND	1.0	05/10/10 14:16	
Bromodichloromethane	ug/L	ND	1.0	05/10/10 14:16	
Bromoform	ug/L	ND	1.0	05/10/10 14:16	
Bromomethane	ug/L	ND	1.0	05/10/10 14:16	
Carbon disulfide	ug/L	ND	1.0	05/10/10 14:16	
Carbon tetrachloride	ug/L	ND	1,0	05/10/10 14:16	
Chlorobenzene	ug/L	ND	1.0	05/10/10 14:16	
Chloroethane	ug/L	ND	1.0	05/10/10 14:16	
Chloroform	ug/L	ND	1.0	05/10/10 14:16	
Chloromethane	ug/L	ND	1.0	05/10/10 14:16	
cis-1,2-Dichloroethene	ug/L	ND	1.0	05/10/10 14:16	
cis-1,3-Dichloropropene	ug/L	ND	1.0	05/10/10 14:16	
Dibromochloromethane	ug/L	ND	1.0	05/10/10 14:16	
Ethylbenzene	ug/L	ND	1.0	05/10/10 14:16	
Isopropylbenzene (Cumene)	ug/L	ND	1.0	05/10/10 14:16	
m&p-Xylene	u g /L	ND	2.0	05/10/10 14:16	
Methyl-tert-butyl ether	ug/L	ND	1.0	05/10/10 14:16	
Methylene Chloride	ug/L	ND	1.0	05/10/10 14:16	
n-Butylbenzene	ug/L	ND	1.0	05/10/10 14:16	
n-Propylbenzene	ug/L	ND	1.0	05/10/10 14:16	
Naphthalene	ug/L	ND	2.0	05/10/10 14:16	
o-Xylene	ug/L	ND	1.0	05/10/10 14:16	
p-isopropyitoluene	ug/L	ND	1.0	05/10/10 14.16	

Date: 06/15/2010 04:57 PM

REPORT OF LABORATORY ANALYSIS

Page 89 of 107

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CABOT-EPA 007027



QUALITY CONTROL DATA

Project:

2H/4H 39938634.00017

Pace Project No.:

3027322

METHOD BLANK: 168069

Matrix: Water

Associated Lab Samples:

3027322001, 3027322002, 3027322003, 3027322004, 3027322009, 3027322010, 3027322011, 3027322020, 3027322021, 3027322022, 3027322024, 3027322029

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
sec-Butylbenzene	ug/L	ND	1.0	05/10/10 14:16	
Styrene	ug/L	ND	1.0	05/10/10 14:16	
Tetrachloroethene	ug/L	ND	1.0	05/10/10 14:16	
Toluene	ug/L	ND	1.0	05/10/10 14:16	
trans-1,2-Dichloroethene	ug/L	ND	1.0	05/10/10 14:16	
trans-1,3-Dichloropropene	ug/L	ND	1.0	05/10/10 14:16	
Trichloroethene	u g/L	ND	1.0	05/10/10 14:16	
Vinyl chloride	u g/ L	ND	1.0	05/10/10 14:16	
Xylene (Total)	ug/L	ND	3.0	05/10/10 14:16	
1,2-Dichloroethane-d4 (S)	%	103	70-130	05/10/10 14:16	
4-Bromofluorobenzene (S)	%	95	70-130	05/10/10 14:16	
Toluene-d8 (S)	%	94	70-130	05/10/10 14:16	

LABORATORY CONTROL SAMPLI	E: 168070	.				
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	20	21.3	107	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	20.2	101	70-130	
1,1,2-Trichloroethane	ug/L	20	17.6	88	70-130	
1,1-Dichloroethane	ug/L	20	20.5	103	70-130	
1,1-Dichloroethene	ug/L	20	16.6	83	70-130	
1,2,4-Trichlorobenzene	ug/L	20	21.1	106	70-130	
1,2,4-Trimethylbenzene	ug/L	20	20.9	105	70-130	
1,2-Dichlorobenzene	ug/L	20	20.9	105	70-130	
1,2-Dichloroethane	ug/L	20	20.8	104	70-130	
1,2-Dichloropropane	ug/L	20	17.0	85	70-130	
1,3,5-Trimethylbenzene	ug/L	20	20.9	104	70-130	
1,3-Dichlorobenzene	ug/L	20	21.0	105	70-130	
1,4-Dichlorobenzene	ug/L	20	20.8	104	70-130	
2-Butanone (MEK)	ug/L	20	21.8	109	70-130	
2-Hexanone	ug/L	20	19.0	95	70-130	
4-Methyl-2-pentanone (MIBK)	ug/L	20	19.0	95	70-130	
Acetone	ug/L	20	24.1	120	70-130	
Benzene	ug/L	20	17.2	86	70-130	
Bromochloromethane	ug/L	20	20.6	103	70-130	
Bromodichloromethane	ug/L	20	16.9	84	70-130	
Bromoform	ug/L	20	16.9	84	70-130	
Bromomethane	ug/L	20	26.4	132	70-130 L	.3
Carbon disulfide	ug/L	20	21.1	106	70-130	
Carbon tetrachloride	ug/L	20	20.5	103	70-130	
Chlorobenzene	u g/L	20	17.6	88	70-130	
Chloroethane	ug/L	20	20.6	103	70-130	
Chloroform	ug/L	20	20.6	103	70-130	
Chloromethane	ug/L	20	17.0	85	70-130	

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REPORT OF LABORATORY ANALYSIS

Page 90 of 107

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CABOT-EPA 007028



QUALITY CONTROL DATA

Project:

2H/4H 39938634.00017

Pace Project No.: 3027322

ABORATORY CONTROL SAMPLE	: 168070	Spike	LCS	LCS	% Rec	1
Parameter	Units	Conc.	Result	% Rec	Limits	Qualifiers
s-1,2-Dichloraethene	ug/L	20	20.6	103	70-130	
s-1,3-Dichloropropene	ug/L	20	17.2	86	70-130	
ibromochloromethane	ug/L	20	18.9	95	70-130	
thylbenzene	ug/L	20	18.0	90	70-130	
opropylbenzene (Cumene)	ug/L	20	21.0	105	70-130	
&p-Xylene	ug/L	40	36.4	91	70-130	
ethyl-tert-butyl ether	ug/L	20	22.6	113	70-130	
ethylene Chloride	ug/L	20	18.9	95	70-130	
Butylbenzene	ug/L	20	21.6	108	70-130	
Propylbenzene	ug/L	20	21.4	107	70-130	
aphthalene	ug/L	20	23.2	116	70-130	
-Xylene	ug/L	20	17.5	87	70-130	
Isopropyltoluene	ug/L	20	21.4	107	70-130	
ec-Butylbenzene	ug/L	20	21.7	109	70-130	
yrene	ug/L	20	16.6	83	70-130	
etrachloroethene	ug/L	20	17.4	87	70-130	
oluene	ug/L	20	17.8	89	70-130	
ans-1,2-Dichloroethene	ug/L	20	17.6	88	70-130	
ns-1,3-Dichloropropene	ug/L	20	19.3	97	70-130	
schloroethene	ug/L	20	17.4	87	70-130	
nyl chloride	ug/L	20	19.4	97	70-130	
ylene (Total)	ug/L	60	53.9	90	70-130	
2-Dichloroethane-d4 (S)	%			107	70-130	
Bromofluorobenzene (S)	%			99	70-130	
oluene-d8 (S)	%			84	70-130	

MATRIX SPIKE & MATRIX SPIK		E: 16807	MS	MSD	168072						
	30	27322001	Spike	Spike	MS	MSD	MS	MSD	% Rec		
Parameter	Units	Result	Conc.	Conc.	Result	Result	% Rec	% Rec	Limits	RPD	Qua
I,1,1-Trichloroethane	ug/L	ND	20	20	25.9	18.3	129	92	70-130	34	R1
,1,2,2-Tetrachloroethane	ug/L	ND	20	20	20.7	12.9	103	65	70-130	46	MO,R1
,1,2-Trichloroethane	ug/L	ND	20	20	22.3	15.2	112	76	70-130	38	R1
,1-Dichloroethane	ug/L	ND	20	20	26 0	18.7	130	94	70-130	32	R1
1,1-Dichloroethene	ug/L	ND	20	20	22.1	15.9	110	80	70-130	32	R1
,2,4-Trichlorobenzene	ug/L	ND	20	20	18.3	12.8	92	64	70-130	35	R1
,2,4-Trimethylbenzene	ug/L	ND	20	20	20.4	14.4	102	72	70-130	35	R1
,2-Dichlorobenzene	ug/L	ND	20	20	20.5	14.3	103	71	70-130	36	R1
I,2-Dichloroethane	u g/L	ND	20	20	27.3	18.9	137	95	70-130	37	M0,R1
,2-Dichloropropane	ug/L	ND	20	20	21.5	15. 9	107	79	70-130	30	
1,3,5-Trimethylbenzene	ug/L	ND	20	20	21.1	14.8	105	74	70-130	35	R1
1,3-Dichlorobenzene	ug/L	ND	20	20	20.3	146	102	73	70-130	33	R1
1,4-Dichlorobenzene	ug/L	ND	20	20	19.8	14.3	99	72	70-130	32	R1
-Butanone (MEK)	ug/L	ND	20	20	24.6	14.1	123	70	70-130	54	R1
2-Hexanone	ug/L	ND	20	20	22.1	12.6	110	63	70-130	55	R1
l-Mèthyl-2-pentanone (MIBK)	ug/L	ND	20	20	22.5	13.6	112	68	70-130	49	R1
`cetone	ug/L	ND	20	20	31.7	17.9	158	90	70-130	55	M0,R1

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REPORT OF LABORATORY ANALYSIS

Page 91 of 107

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CABOT-EPA 007029



QUALITY CONTROL DATA

Project:

2H/4H 39938634.00017

Pace Project No.: 3027322

MATRIX SPIKE & MATRIX SPI	KE DUPLICAI			168072							
			MS	MSD							
		027322001	Spike	Spike	MS	MSD	MS	MSD	% Rec		
Parameter	Units	Result	Conc.	Conc.	Result	Result	% Rec	% Rec	Limits	RPD	Qua
Benzene	u g/ L	ND	20	20	22.0	15.9	110	80	70-130	32	R1
Bromochloromethane	ug/L	ND	20	20	25.9	18.4	129	92	70-130	34	R1
Bromodichloromethane	ug/L	ND	20	20	19.2	14.4	96	72	70-130	29	
Bromoform	ug/L	ND	20	20	16.2	12.0	81	60	70-130	30	M0, R1
Bromomethane	ug/L	ND	20	20	21.0	21.5	105	108	70-130	2	
Carbon disulfide	ug/L	ND	20	20	24.9	19.4	125	97	70-130	25	
Carbon tetrachloride	ug/L	ND	20	20	21.3	16.8	107	84	70-130	24	
Chlorobenzene	ug/L	ND	20	20	22.5	16.2	113	81	70-130	33	R1
Chloroethane	ug/L	ND	20	20	31.9	20.6	159	103	70-130	43	M0, R1
Chloroform	ug/L	ND	20	20	26.3	19.0	131	95	70-130	32	M0, R1
Chloromethane	ug/L	ND	20	20	20.7	14.8	104	74	70-130	33	R1
cis-1,2-Dichloroethene	u g/L	ND	20	20	25.6	18.6	128	93	70-130	32	R1
cis-1,3-Dichloropropene	ug/L	ND	20	20	18.7	14.0	94	70	70-130	29	
Dibromochloromethane	ug/L	ND	20	20	19.3	13.9	97	70	70-130	32	R1
Ethylbenzene	ug/L	ND	20	20	22.2	16.5	111	83	70-130	30	
sopropylbenzene (Cumene)	ug/L	ND	20	20	21.7	15.4	108	77	70-130	34	R1
m&p-Xylene	ug/L	ND	40	40	45.8	33.0	114	82	70-130	33	R1
Methyl-tert-butyl ether	ug/L	ND	20	20	28.2	16.2	141	81	70-130	54	M0, R1
Methylene Chloride	ug/L	ND	20	20	24.3	17.6	122	88	70-130	32	R1
n-Butylbenzene	ug/L	ND	20	20	18.5	13.6	93	68	70-130	30	R1
n-Propylbenzene	u g/L	ND	20	20	20.9	14.9	105	75	70-130	34	R1
Naphthalene	u g/L	ND	20	20	19.3	13.0	96	65	70-130	39	R1
o-Xylene	u g/ L	ND	20	20	21.9	16.0	110	80	70-130	31	R1
o-Isopropyltoluene	u g/ L	ND	20	20	20.2	14.4	101	72	70-130	34	R1
sec-Butylbenzene	u g/L	ND	20	20	21.3	15.2	106	76	70-130	33	R1
Styrene	ug/L	ND	20	20	20 8	14.9	104	74	70-130	33	R1
Tetrachloroethene	ug/L	ND	20	20	21.6	15.8	108	79	70-130	31	R1
Toluene	ug/L	ND	20	20	22.6	16.3	113	82	70-130	32	R1
trans-1,2-Dichloroethene	ug/L	ND	20	20	22.5	16.5	113	83	70-130	31	R1
trans-1,3-Dichloropropene	ug/L	ND	20	20	20.5	15.2	103	76	70-130	30	
Trichloroethene	ug/L	ND	20	20	21.8	16.3	109	82	70-130	28	
√inyl chloride	∪ g/L	ND	20	20	25.2	17.0	126	85	70-130	39	R1
Xylene (Total)	ug/L	ND	60	60	67.7	49.0	113	82	70-130	32	
1,2-Dichloroethane-d4 (S)	%						118	119	70-130		
4-Bromofluorobenzene (S)	%						95	95	70-130		
Toluene-d8 (S)	%						95	98	70-130		

Date: 06/15/2010 04:57 PM

REPORT OF LABORATORY ANALYSIS

Page 92 of 107

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CABOT-EPA 007030



QUALITY CONTROL DATA

Project:

QC Batch:

2H/4H 39938634.00017

Pace Project No.:

3027322

PMST/1840

Analysis Method:

ASTM D2974-87

QC Batch Method:

ASTM D2974-87

Analysis Description:

Dry Weight/Percent Moisture

Associated Lab Samples: 3027322005, 3027322007, 3027322012, 3027322014, 3027322016, 3027322018, 3027322025, 3027322027

SAMPLE DUPLICATE: 168901

Parameter

3026949001 Result

Dup Result

RPD Qualifiers

.04

Percent Moisture

Units %

90.6

90.7

SAMPLE DUPLICATE: 168902

Parameter

Units

3027008001 Result

Dup Result

Qualifiers

Percent Moisture

15.9

16.2

RPD

Jate: 06/15/2010 04:57 PM

REPORT OF LABORATORY ANALYSIS

Page 93 of 107

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CABOT-EPA 007031



QUALITY CONTROL DATA

Project: 2H/4H 39938634.00017

Pace Project No.: 3027322

QC Batch: WET/5529

QC Batch Method: SM 2540C

Analysis Method: Analysis Description.

Matrix: Water

SM 2540C

2540C Total Dissolved Solids

Associated Lab Samples: 3027322001

METHOD BLANK: 168127

Associated Lab Samples: 3027322001

Parameter

Blank I Result

Reporting Limit

Analyzed

Qualifiers

Total Dissolved Solids

mg/L

mg/L

mg/L

Units

ND

10.0 05/10/10 17:30

LABORATORY CONTROL SAMPLE. 168128

Parameter
Total Dissolved Solids

Units

Spike Conc. 1000 LCS Result LCS % Rec % Rec Limits

5

Qualifiers

1010 101 85-115

SAMPLE DUPLICATE: 168129

Parameter

3027322001 Units Result

201

Dup Result

192

F

Qualifiers

.

Total Dissolved Solids

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REPORT OF LABORATORY ANALYSIS

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Page 94 of 107

CABOT-EPA 007032



QUALITY CONTROL DATA

Project.

2H/4H 39938634.00017

Pace Project No.:

3027322

QC Batch:

WET/5543

Analysis Method:

SM 2540C

QC Batch Method:

SM 2540C

Analysis Description:

2540C Total Dissolved Solids

Associated Lab Samples:

3027322002, 3027322003, 3027322004, 3027322009, 3027322010, 3027322011, 3027322020, 3027322021,

3027322022, 3027322023

METHOD BLANK: 168490

Matrix: Water

Associated Lab Samples:

3027322002, 3027322003, 3027322004, 3027322009, 3027322010, 3027322011, 3027322020, 3027322021,

3027322022, 3027322023

Blank

Reporting

Result

Limit Analyzed Qualifiers

Total Dissolved Solids

mg/L

ND

10.0 05/12/10 21:12

LABORATORY CONTROL SAMPLE: 168491

Parameter

Parameter

mg/L

mg/L

Spike

LCS

LCS

99

% Rec Limits

Total Dissolved Solids

Units

Units

Conc.

Result

% Rec

85-115

Qualifiers

SAMPLE DUPLICATE: 168492

Total Dissolved Solids

Parameter Units 3027322023 Result

84.0

1000

Dup Result

83.0

987

RPD

Qualifiers

Jate: 06/15/2010 04 57 PM

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Page 95 of 107

CABOT-EPA 007033

DIM0228266 DIM0227454



QUALITY CONTROL DATA

Project:

2H/4H 39938634.00017

Pace Project No.:

QC Batch Method:

3027322

WET/5559

SM 2540C

Analysis Method:

SM 2540C

Analysis Description:

2540C Total Dissolved Solids

Associated Lab Samples:

QC Batch:

METHOD BLANK: 169030

Matrix: Water

Associated Lab Samples:

3027322024

3027322024

Blank Result Reporting Limit

Analyzed

Qualifiers

Total Dissolved Solids

mg/L

Units

Units

ND

10.0 05/12/10 16:35

LABORATORY CONTROL SAMPLE. 169031

Parameter

Parameter

Parameter

Spike

LCS Result

LCS % Rec

0

% Rec Limits

Qualifiers

Total Dissolved Solids

mg/L

Conc. 1000

910

85-115

SAMPLE DUPLICATE:

Total Dissolved Solids

169032

3027322024 Result

Dup

Result

RPD

91

mg/L

Units

200

200

Qualifiers

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Page 96 of 107

CABOT-EPA 007034



QUALITY CONTROL DATA

Project:

2H/4H 39938634.00017

Pace Project No.:

QC Batch:

WET/5530

Analysis Method:

SM 2540D

QC Batch Method:

SM 2540D

Analysis Description:

2540D Total Suspended Solids

Associated Lab Samples: 3027322001, 3027322002, 3027322003, 3027322004, 3027322009, 3027322010, 3027322011, 3027322020

METHOD BLANK: 168130

Matrix: Water

Associated Lab Samples:

3027322001, 3027322002, 3027322003, 3027322004, 3027322009, 3027322010, 3027322011, 3027322020

Blank

Reporting

Analyzed

Qualifiers

Total Suspended Solids

Parameter

Parameter

mg/L

mg/L

Units

Units

ND

8.0

4.0 05/10/10 21:20

SAMPLE DUPLICATE: 168131

Total Suspended Solids

3027322020 Result

Dup Result

RPD Qualifiers

8.0

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REPORT OF LABORATORY ANALYSIS

Page 97 of 107

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CABOT-EPA 007035



QUALITY CONTROL DATA

Project: 2H/4H 39938634.00017

Pace Project No.: 3027322

QC Batch: WET/5544 Analysis Method: SM 2540D

QC Batch Method: SM 2540D Analysis Description: 2540D Total Suspended Solids

Associated Lab Samples: 3027322021, 3027322022, 3027322023, 3027322024

METHOD BLANK: 168496 Matrix: Water

Associated Lab Samples: 3027322021, 3027322022, 3027322023, 3027322024

Blank Reporting
Parameter Units Result Limit Analyzed Qualifiers

Total Suspended Solids mg/L ND 4 0 05/11/10 20:42

SAMPLE DUPLICATE: 168497

 Parameter
 Units
 3027252003 Result
 Dup Result
 RPD
 Qualifiers

 Total Suspended Solids
 mg/L
 118
 118
 0

Date: 06/15/2010 04:57 PM

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Page 98 of 107

CABOT-EPA 007036



QUALITY CONTROL DATA

Project: 2H/4H 39938634.00017 Pace Project No.: 3027322 QC Batch: WET/5562 Analysis Method: SM 5540C QC Batch Method: SM 5540C Analysis Description: 5540C MBAS Surfactants 3027322001, 3027322002, 3027322003, 3027322004, 3027322006, 3027322008, 3027322009, 3027322010, Associated Lab Samples: 3027322011, 3027322013, 3027322015, 3027322017, 3027322019, 3027322020, 3027322021, 3027322022, 3027322023, 3027322024, 3027322026, 3027322028 METHOD BLANK: 169149 Matrix: Water Associated Lab Samples: 3027322023, 3027322024, 3027322026, 3027322028 Blank Reporting Units Result Parameter Limit Analyzed Qualifiers ND Surfactants mg/L 0.10 05/13/10 14:25 METHOD BLANK: 169150 Matrix: Water Associated Lab Samples: 3027322001, 3027322002, 3027322003, 3027322004, 3027322006, 3027322008, 3027322009, 3027322010, 3027322011, 3027322013, 3027322015, 3027322017, 3027322019, 3027322020, 3027322021, 3027322022, 3027322023, 3027322024, 3027322026, 3027322028 Blank Reporting Units Result Parameter Analyzed Qualifiers ırfactants mg/L ND 0.10 05/13/10 14:25 LABORATORY CONTROL SAMPLE: LCS LCS % Rec Spike Parameter Units Conc. Result % Rec Limits Qualifiers Surfactants 1.0 104 85-115 SU mg/L MATRIX SPIKE SAMPLE: 169153 3027322024 Spike MS MS % Rec Parameter Units Result Conc. Result % Rec Limits Qualifiers mg/L Surfactants 0.18 0.80 85-115 M3 SAMPLE DUPLICATE: 169152 3027322023 Dup Units Result Result **RPD** Qualifiers Parameter

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Surfactants

REPORT OF LABORATORY ANALYSIS

ND

mg/L

ND

2c

Page 99 of 107

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CABOT-EPA 007037



QUALITY CONTROL DATA

Project:

2H/4H 39938634.00017

Pace Project No.:

3027322

QC Batch:

WET/5558

Analysis Method:

EPA 9034

QC Batch Method:

EPA 9034

Analysis Description:

9034 Sulfide Solid

Associated Lab Samples:

3027322005, 3027322007, 3027322012, 3027322014, 3027322016, 3027322018, 3027322025, 3027322027

METHOD BLANK: 169009

Matrix: Solid

Associated Lab Samples:

3027322005, 3027322007, 3027322012, 3027322014, 3027322016, 3027322018, 3027322025, 3027322027

Blank Result Reporting Limit

Analyzed

Qualifiers

Sulfide

mg/kg

Units

ND

10.0 05/12/10 19:50

LABORATORY CONTROL SAMPLE: 169010

Parameter

Parameter

Parameter

Parameter

Units

Spike Conc. Result

LCS % Rec % Rec Limits

Qualifiers

Sulfide

MATRIX SPIKE SAMPLE:

mg/kg

115

104

LCS

ND

ND

90

MS

MS

85-115

% Rec

Sulfide

Sulfide

Units mg/kg

mg/kg

169012

Units

3027322027 Result

Spike Conc. 149

Result 145 % Rec 97 Limits 85-115 Qualifiers

SAMPLE DUPLICATE: 169011

3027322025 Result

Dup

Result

ND

RPD

Qualifiers

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REPORT OF LABORATORY ANALYSIS

Page 100 of 107

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CABOT-EPA 007038

DIM0228271 DIM0227454



QUALITY CONTROL DATA

Project:

QC Batch:

Sulfide

Sulfide

Sulfide

Sulfide

2H/4H 39938634.00017

Pace Project No.:

3027322

WET/5567

Analysis Method:

EPA 9034

QC Batch Method:

EPA 9034

Analysis Description:

9034 Sulfide Waste Water

Associated Lab Samples:

3027322021, 3027322022, 3027322023, 3027322024

METHOD BLANK 169204

Matrix: Water

Associated Lab Samples:

3027322001, 3027322002, 3027322003, 3027322004, 3027322009, 3027322010, 3027322011, 3027322020,

3027322021, 3027322022, 3027322023, 3027322024

Blank

Reporting

Parameter

Parameter

Parameter

Parameter

Units

Result ND Limit Analyzed Qualifiers

1.0 05/12/10 23:40

LABORATORY CONTROL SAMPLE: 169205

Spike Conc.

LCS Result

ND

ND

LCS % Rec

% Rec Limits 85-115

Qualifiers

MATRIX SPIKE SAMPLE:

169207

mg/L

mg/L

mg/L

Units

Units

Units

mg/L

3027322024 Result

5.8

Spike Conc.

5.8

ND

5.2

MS Result

90

5.2

MS % Rec % Rec Limits

85-115

Qualifiers

SAMPLE DUPLICATE: 169206

3027322023 Result

Dup Result

RPD

Qualifiers

87

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REPORT OF LABORATORY ANALYSIS

Page 101 of 107

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CABOT-EPA 007039



QUALITY CONTROL DATA

Project:

QC Batch:

2H/4H 39938634 00017

Pace Project No.:

3027322

WETA/4215

Analysis Method:

SM 4500-CI-E

QC Batch Method:

SM 4500-CI-E

Analysis Description:

4500 Chloride

Associated Lab Samples:

3027322001, 3027322002, 3027322003, 3027322004, 3027322006, 3027322008, 3027322009, 3027322010, 3027322011, 3027322013, 3027322015, 3027322017, 3027322019, 3027322020, 3027322021, 3027322022,

3027322023, 3027322024, 3027322026, 3027322028

METHOD BLANK: 169040

Matrix: Water

Associated Lab Samples:

3027322001, 3027322002, 3027322003, 3027322004, 3027322006, 3027322008, 3027322009, 3027322010, 3027322011, 3027322013, 3027322015, 3027322017, 3027322019, 3027322020, 3027322021, 3027322022, 3027322021, 3027322022, 30273220202, 30273220202, 3027322002, 3027322002, 3027322002, 3027322002, 3027322002, 3027322002, 3027322002, 3027322002, 3027322002, 3027322002, 3027322002, 3027322002, 3027322002, 3027322002, 3027322002, 302732002, 302732002, 302732002, 302732002, 302732002, 302732002, 302732002, 302732002, 302732002, 302732002, 302732002, 302732002, 302732002, 302702002, 302702002, 30270200000000000000000000000

3027322023, 3027322024, 3027322026, 3027322028

Units

Blank Result

Reporting

Limit

Qualifiers Analyzed

Chloride

Chloride

Chloride

mg/L

ND

3.0 05/12/10 20:17

METHOD BLANK: 169198

Matrix: Water

Associated Lab Samples:

3027322001, 3027322002, 3027322003, 3027322004, 3027322006, 3027322008, 3027322009, 3027322010, 3027322011, 3027322013, 3027322015, 3027322017, 3027322019, 3027322020, 3027322021, 3027322022,

3027322023, 3027322024, 3027322026, 3027322028

Blank

Reporting

Analyzed

Parameter

Parameter

Units mg/L

Result

ND

3.0 05/12/10 00:00 1c

Qualifiers

LABORATORY CONTROL SAMPLE:

Parameter

Parameter

Parameter

Units

Units

Units

Spike

40

Conc.

LCS Result

5.4

5.4

38.9

LCS % Rec % Rec Limits

Qualifiers

MATRIX SPIKE SAMPLE:

169042

mg/L

mg/L

mg/L

3027322001 Result

Spike Conc.

20

5.4

MS Result

97

MS % Rec

85-115

% Rec Limits

Qualifiers

Chloride

169043

3027322001

26.2

104

85-115

SAMPLE DUPLICATE:

Chloride

Result

Dup Result

RPD

Qualifiers

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REPORT OF LABORATORY ANALYSIS

Page 102 of 107

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CABOT-EPA 007040



QUALIFIERS

Project:

2H/4H 39938634.00017

Pace Project No.:

3027322

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

U - Indicates the compound was analyzed for, but not detected

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is NELAP accredited. Contact your Pace PM for the current list of accredited analytes.

ABORATORIES

PASI-PA Pace Analytical Services - Greensburg

WORKORDER QUALIFIERS

WO: 3027322

[1] This project was revised on 6/11/10 in order to Jflag dissolved Tl.

[2] The project has been revised to report the thallium results from an instrument with an MDL below the client required limit of 2 up/l

ANALYTE QUALIFIERS

1c	ASTM E	RI ANK
10	AO HVI E	SITMIN.

- 2c Sample was not available for analysis within EPA method hold time.
- 3c Sample was tumbled on 5/11/2010 and analyzed within 48 hours.
- B Analyte was detected in the associated method blank.
- C9 Common Laboratory Contaminant.
- LO Analyte recovery in the laboratory control sample (LCS) was outside QC limits.
- Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.
- M0 Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.
- M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
- M3 Matrix spike recovery was outside laboratory control limits due to matrix interferences.
- R1 RPD value was outside control limits.
- SU MBAS, calculated as LAS, Mol wt 342 2 g/mol

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REPORT OF LABORATORY ANALYSIS

Page 103 of 107

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CABOT-EPA 007041



QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project:

2H/4H 39938634.00017

Pace Project No.:

3027322

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch		
3027322005	DG Sump-Sed	EPA 3050	MPRP/3813	EPA 6010B	ICP/3422		
3027322007	UG Sump-Sed	EPA 3050	MPRP/3813	EPA 6010B	ICP/3422		
3027322012	SR29E-CUL-Sed	EPA 3050	MPRP/3813	EPA 6010B	ICP/3422		
3027322014	Upstream-Sed	EPA 3050	MPRP/3813	EPA 6010B	ICP/3422		
027322016	Downstream-Sed	EPA 3050	MPRP/3813	EPA 6010B	ICP/3422		
027322018	Field	EPA 3050	MPRP/3813	EPA 6010B	ICP/3422		
3027322025	HD Sump-Sed	EPA 3050	MPRP/3813	EPA 6010B	ICP/3422		
3027322027	HD-Sed	EPA 3050	MPRP/3813	EPA 6010B	ICP/3422		
3027 322001	DW	EPA 3005	MPRP/3816	EPA 6010B	ICP/3425		
3027322002	HD Well	EPA 3005	MPRP/3816	EPA 6010B	ICP/3425		
027322003	DG Sump	EPA 3005	MPRP/3816	EPA 6010B	ICP/3425		
027322004	UG Sump	EPA 3005	MPRP/3816	EPA 6010B	ICP/3425		
027322009	Upstream	EPA 3005	MPRP/3816	EPA 6010B	ICP/3425		
027322010	Downstream	EPA 3005	MPRP/3816	EPA 6010B	ICP/3425		
027322011	SR29E-CUL	EPA 3005	MPRP/3816	EPA 6010B	ICP/3425		
027322020	DW	EPA 3005	MPRP/3816	EPA 6010B	ICP/3425		
027322021	DW	EPA 3005	MPRP/3816	EPA 6010B	ICP/3425		
027322022	HD Well	EPA 3005	MPRP/3816	EPA 6010B	ICP/3425		
027322023	HD Well	EPA 3005	MPRP/3816	EPA 6010B	ICP/3425		
027322024	P Tank	EPA 3005	MPRP/3816	EPA 6010B	ICP/3425		
027322001	DW DW	EPA 3005	MPRP/3821	EPA 6010	ICP/3430		
027322002	HD Well	EPA 3005	MPRP/3821	EPA 6010	ICP/3430		
027322003	DG Sump	EPA 3005	MPRP/3821	EPA 6010	ICP/3430		
027322004	UG Sump	EPA 3005	MPRP/3821	EPA 6010	ICP/3430		
027322009	Upstream	EPA 3005	MPRP/3821	EPA 6010	ICP/3430		
027322010	Downstream	EPA 3005	MPRP/3821	EPA 6010	ICP/3430		
027322011	SR29E-CUL	EPA 3005	MPRP/3821	EPA 6010	ICP/3430		
3027322020	DW	EPA 3005	MPRP/3821	EPA 6010	ICP/3430		
027322021	ŌW	EPA 3005	MPRP/3821	EPA 6010	ICP/3430		
027322022	HD Well	EPA 3005	MPRP/3821	EPA 6010	ICP/3430		
027322023	HD Well	EPA 3005	MPRP/3821	EPA 6010	ICP/3430		
3027322024	P Tank	EPA 3005	MPRP/3821	EPA 6010	ICP/3430		
3027322001	DW	EPA 7470	MERP/1894	EPA 7470	MERC/18		
3027322002	HD Well	EPA 7470	MERP/1894	EPA 7470	MERC/18		
30 2732200 3	DG Sump	EPA 7470	MERP/1894	EPA 7470	MERC/18		
3027322004	UG Sump	EPA 7470	MERP/1894	EPA 7470	MERC/18		
30273220 09	Upstream	EPA 7470	MERP/1894	EPA 7470	MERC/18		
027322010	Downstream	EPA 7470	MERP/1894	EPA 7470	MERC/18		
027322011	SR29E-CUL	EPA 7470	MERP/1894	EPA 7470	MERC/18		
027322020	DW	EPA 7470	MERP/1894	EPA 7470	MERC/18		
027322021	ōw	EPA 7470	MERP/1894	EPA 7470	MERC/18		
027322022	HD Well	EPA 7470	MERP/1894	EPA 7470	MERC/18		
027322023	HD We!I	EPA 7470	MERP/1894	EPA 7470	MERC/18		
3027322024	P Tank	EPA 7470	MERP/1894	EPA 7470	MERC/18		
027322001	DW	EPA 7470	MERP/1895	EPA 7470	MERC/18		
027322002	HD Well	EPA 7470	MERP/1895	EPA 7470	MERC/18		
3027322003	DG Sump	EPA 7470	MERP/1895	EPA 7470	MERC/185		

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REPORT OF LABORATORY ANALYSIS

Page 104 of 107

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CABOT-EPA 007042



QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project^{*}

2H/4H 39938634.00017

Pace Project No.:

3027322

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
3027322004	UG Sump	EPA 7470	MERP/1895	EPA 7470	MERC/1852
3027322009	Upstream	EPA 7470	MERP/1895	EPA 7470	MERC/1852
3027322010	Downstream	EPA 7470	MERP/1895	EPA 7470	MERC/185
3027322011	SR29E-CUL	EPA 7470	MERP/1895	EPA 7470	MERC/1852
3027322020	DW	EPA 7470	MERP/1895	EPA 7470	MERC/1852
3027322021	DW	EPA 7470	MERP/1895	EPA 7470	MERC/1853
3027322022	HD Well	EPA 7470	MERP/1895	EPA 7470	MERC/1852
3027322023	HD Well	EPA 7470	MERP/1895	EPA 7470	MERC/1852
3027322024	P Tank	EPA 7470	MERP/1895	EPA 7470	MERC/185
3027322005	DG Sump-Sed	EPA 7471	MERP/1891	EPA 7471	MERC/1848
3027322007	UG Sump-Sed	EPA 7471	MERP/1891	EPA 7471	MERC/1848
3027322012	SR29E-CUL-Sed	EPA 7471	MERP/1891	EPA 7471	MERC/1848
3027322014	Upstream-Sed `	EPA 7471	MERP/1891	EPA 7471	MERC/1848
3027322016	Downstream-Sed	EPA 7471	MERP/1891	EPA 7471	MERC/1848
3027322018	Field	EPA 7471	MERP/1891	EPA 7471	MERC/1846
3027322025	HD Sump-Sed	EPA 7471	MERP/1891	EPA 7471	MERC/1848
3027322027	HD-Sed	EPA 7471	MERP/1891	EPA 7471	MERC/184
3027322005	DG Sump-Sed	EPA 8260	MSV/5777		
27322007	UG Sump-Sed	EPA 8260	MSV/5777		
JU27322012	SR29E-CUL-Sed	EPA 8260	MSV/5799		
3027322014	Upstream-Sed	EPA 8260	MSV/5799		
3027322016	Downstream-Sed	EPA 8260	MSV/5777		
3027322018	Field	EPA 8260	MSV/5777		
3027322025	HD Sump-Sed	EPA 8260	MSV/5799		
3027322027	HD-Sed	EPA 8260	MSV/5777		
3027322001	DW	EPA 8260	MSV/5770		
3027322002	HD Well	EPA 8260	MSV/5770		
3027322003	DG Sump	EPA 8260	MSV/5770		
3027322004	UG Sump	EPA 8260	MSV/5770		
3027322009	Upstream	EPA 8260	MSV/5770		
3027322010	Downstream	EPA 8260	MSV/5770		
3027322011	SR29E-CUL	EPA 8260	MSV/5770		
3027322020	bw	EPA 8260	MSV/5770		
3027322021	D w	EPA 8260	MSV/5770		
3027322022	HD Well	EPA 8260	MSV/5770		
3027322023	HD Well	EPA 8260	MSV/5770		
3027322024	P Tank	EPA 8260	MSV/5770		
3027322029	TB-01	EPA 8260	MSV/5770		
3027322005	DG Sump-Sed	ASTM D2974-87	PMST/1840		
3027322007	UG Sump-Sed	ASTM D2974-87	PMST/1840		
3027322012	SR29E-CUL-Sed	ASTM D2974-87	PMST/1840		
3027322014	Upstream-Sed	ASTM D2974-87	PMST/1840		
3027322016	Downstream-Sed	ASTM D2974-87	PMST/1840		
3027322018	Field	ASTM D2974-87	PMST/1840		
	HD Sump-Sed				

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REPORT OF LABORATORY ANALYSIS

Page 105 of 107

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CABOT-EPA 007043



QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project:

2H/4H 39938634.00017

Pace Project No.:

3027322

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytica Batch
027322027	HD-Sed	ASTM D2974-87	PMST/1840		
027322001	DW	SM 2540C	WET/5529		
027322002	HD Well	SM 2540C	WET/5543		
3027322003	DG Sump	SM 2540C	WET/5543		
3027322004	UG Sump	SM 2540C	WET/5543		
3027322009	Upstream	SM 2540C	WET/5543		
027322010	Downstream	SM 2540C	WET/5543		
027322011	SR29E-CUL	SM 2540C	WET/5543		
3027322020	DW	SM 2540C	WET/5543		
027322021	DW	SM 2540C	WET/5543		
027322022	HD Well	SM 2540C	WET/5543		
027322023	HD Well	SM 2540C	WET/5543		
3027322024	P Tank	SM 2540C	WET/5559		
3027322001	DW	SM 2540D	WET/5530		
027322002	HD Well	SM 2540D	WET/5530		
3027322003	DG Sump	SM 2540D	WET/5530		
3027322004	UG Sump	SM 2540D	WET/5530		
027322009	Upstream	SM 2540D	WET/5530		
027322010	Downstream	SM 2540D	WET/5530		
027322011	SR29E-CUL	SM 2540D	WET/5530		
027322020	DW	SM 2540D	WET/5530		
3027322021	DW	SM 2540D	WET/5544		
3027322022	HD Well	SM 2540D	WET/5544		
027322023	HD Well	SM 2540D	WET/5544		
3027322024	P Tank	SM 2540D	WET/5544		
8027322001	DW	SM 5540C	WET/5562		
027322002	HD Well	SM 5540C	WET/5562		
302 73220 03	DG Sump	SM 5540C	WET/5562		
027322004	UG Sump	SM 5540C	WET/5562		
3027322006	DG Sump-Sed ASTM	SM 5540C	WET/5562		
3027322008	UG Sump-Sed ASTM	SM 5540C	WET/5562		
027322009	Upstream	SM 5540C	WET/5562		
027322010	Downstream	SM 5540C	WET/5562		
027322011	SR29E-CUL	SM 5540C	WET/5562		
3027322013	SR29E-CUL-Sed ASTM	SM 5540C	WET/5562		
3027322015	Upstream-Sed ASTM	SM 5540C	WET/5562		
027322017	Downstream-Sed ASTM	SM 5540C	WET/5562		
027322019	Field ASTM	SM 5540C	WET/5562		
027322020	DW	SM 5540C	WET/5562		
027322021	DW	SM 5540C	WET/5562		
027322022	HD Well	SM 5540C	WET/5562		
027322023	HD Well	SM 5540C	WET/5562		
3027322024	P Tank	SM 5540C	WET/5562		
3027322026	HD Sump-Sed ASTM	SM 5540C	WET/5562		
3027322028	HD-Sed ASTM	SM 5540C	WET/5562		

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REPORT OF LABORATORY ANALYSIS

Page 106 of 107

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CABOT-EPA 007044



QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project:

2H/4H 39938634.00017

Pace Project No.: 3027322

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytica Batch
3027322005	DG Sump-Sed	EPA 9034	WET/5558		
3027322007	UG Sump-Sed	EPA 9034	WET/5558		
3027322012	SR29E-CUL-Sed	EPA 9034	WET/5558		
3027322014	Upstream-Sed	EPA 9034	WET/5558		
3027322016	Downstream-Sed	EPA 9034	WET/5558		
3027322018	Field	EPA 9034	WET/5558		
3027322025	HD Sump-Sed	EPA 9034	WET/5558		
3027322027	HD-Sed	EPA 9034	WET/5558		
3027322001	DW	EPA 9034	WET/5567		
3027322002	HD Well	EPA 9034	WET/5567		
3027322003	DG Sump	EPA 9034	WET/5567		
3027322004	UG Sump	EPA 9034	WET/5567		
3027322009	Upstream	EPA 9034	WET/5567		
3027322010	Downstream	EPA 9034	WET/5567		
3027322011	SR29E-CUL	EPA 9034	WET/5567		
3027322020	DW	EPA 9034	WET/5567		
3027322021	D W	EPA 9034	WET/5567		
3027322022	HD Well	EPA 9034	WET/5567		
3027322023	HD Well	EPA 9034	WET/5567		
27322024	P Tank	EPA 9034	WET/5567		
3027322001	DW	SM 4500-CI-E	WETA/4215		
3027322002	HD Well	SM 4500-CI-E	WETA/4215		
3027322003	DG Sump	SM 4500-CI-E	WETA/4215		
3027322004	UG Sump	SM 4500-CI-E	WETA/4215		
3027322006	DG Sump-Sed ASTM	SM 4500-CI-E	WETA/4215		
3027322008	UG Sump-Sed ASTM	SM 4500-CI-E	WETA/4215		
3027322009	Upstream	SM 4500-CI-E	WETA/4215		
3027322010	Downstream	SM 4500-CI-E	WETA/4215		
3027322011	SR29E-CUL	SM 4500-CI-E	WETA/4215		
3027322013	SR29E-CUL-Sed ASTM	SM 4500-CI-E	WETA/4215		
3027322015	Upstream-Sed ASTM	SM 4500-CI-E	WETA/4215		
3027322017	Downstream-Sed ASTM	SM 4500-CI-E	WETA/4215		
3027322019	Field ASTM	SM 4500-CI-E	WETA/4215		
3027322020	DW DW	SM 4500-CI-E	WETA/4215		
3027322021	DW	SM 4500-CI-E	WETA/4215		
3027322022	HD Well	SM 4500-CI-E	WETA/4215		
3027322023	HD Well	SM 4500-CI-E	WETA/4215		
3027322024	P Tank	SM 4500-CI-E	WETA/4215		
3027322026	HD Sump-Sed ASTM	SM 4500-CI-E	WETA/4215		
3027322028	HD-Sed ASTM	SM 4500-CI-E	WETA/4215		

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REPORT OF LABORATORY ANALYSIS

Page 107 of 107

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CABOT-EPA 007045

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CHAIN-OF-CUS1 JY / Analytical Request Document

Sample Condition Upon Receipt Project # 3027322 Client Name: 11/25 Courier: Fed Ex UPS USPS Client Commercial Pace Other Optional Proj. Due Date: Tracking #: _ Proj. Name: Seals intact: ☐ yes Packing Material: Bubble Wrap Bubble Bags None Other Type of Ice: / Wet Samples on ice, cooling process has begun Thermometer Used 5 Blue None Date and Initials of person examining contents: RES 578/10 Biological Tissue is Frozen: Yes No Cooler Temperature Comments: Temp should be above freezing to 6°C XIYes DNo DNA Chain of Custody Present: MYes DNo DNA Chain of Custody Filled Out: XYes □No □N/A Chain of Custody Relinquished: ØYes □No □N/A Sampler Name & Signature on COC: □Yes XNo Samples Arrived within Hold Time: □N/A Nes DNo □n/A Short Hold Time Analysis (<72hr): Rush Turn Around Time Requested: Xes □No □N/A YŽYes □No □N/A Sufficient Volume: Yes DNo □NA Correct Containers Used: ZYes □No □N/A -Pace Containers Used: ØYes □No □NA 10. Containers Intact: □Yes XNo □N/A Filtered volume received for Dissolved tests XYes ONO ONA 12. Sample Labels match COC: -Includes date/time/ID/Analysis WT Matrix: All containers needing preservation have been checked. QYes □No □NA 13. All containers needing preservation are found to be in √QYes □No □N/A compliance with EPA recommendation. Initial when Lot # of added Yes □No exceptions: VOA, coliform, TOC, O&G, WI-DRO (water) AVAZ ONO SeYO 14. Samples checked for dechlorination: Headspace in VOA Vials (>6mm): □Yes TXNo □n/A ONA 16. TB appears to be filled by Yes DNo Trip Blank Present: Bayes Davo □n/A Trip Blank Custody Seals Present the dient Pace Trip Blank Lot # (if purchased): Client Notification/ Resolution: Field Data Required? Person Contacted: Date/Time: Comments/ Resolution:

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form wift be sent to the North Carolina DEHNR Certification Office (i.e. out of hold, incorrect preservative, out of temp, incorrect containers)

F-ALLC003-4 23Feb2010

CABOT-EPA 007048

Project Manager Review:



May 12, 2010

James Pinta URS Corporation Foster Plaza 4 501 Holiday Drive, Suite 300 Pittsburgh, PA 15220

Date Sampled 06-May-10 Time Sampled 12:30 Date Received: 06-May-10

Time Received 19.25

Sampled by: A Bayne/A, Mehalko/ URS

-DW

I SM ₂₀ 9222 B 06-May-10 20.00
SM ₂₀ 9222 B 06-May-10 19:45
SM ₂₀ 9230 C 06-May-10 20 ⁻ 30

Virgil Runco

Microbiology Supervisor

DICKSON CITY INDUSTRIAL PARK 824 ENTERPRISE STREET DICKSON CITY, PA 18519-1593 PHONE: (570) 489-6964 FAX: (570) 489-6965



CABOT-EPA 007049



May 12, 2010

James Pinta URS Corporation Foster Plaza 4 501 Holiday Drive, Suite 300 Pittsburgh, PA 15220 Date Sampled: 06-May-10 Time Sampled: 13.00 Date Received. 06-May-10

Time Received: 19:25 Sampled by: A. Bayne/A. Mehalko/ URS

- HD WELL

RESULT	UNITS	METHOD	ANALYZED	TIME
70	cfu/ 100 ml	SM ₂₀ 9222 B	06-May-10	20 00
< 1	cfu/ 100 mł	SM ₂₀ 9222 B	06-May-10	20.00
< 1	cfu/ 100 ml	SM ₂₀ 9222 D	06-May-10	19.45
156	cfu/ 100 mi	SM ₂₀ 9230 C	06-May-10	20:30
	70 < 1 < 1	70 cfu/ 100 ml < 1 cfu/ 100 ml < 1 cfu/ 100 ml	70 cfu/ 100 ml SM ₂₀ 9222 B < 1 cfu/ 100 ml SM ₂₀ 9222 B < 1 cfu/ 100 ml SM ₂₀ 9222 D	70 cfu/ 100 ml SM ₂₀ 9222 B 06-May-10 < 1 cfu/ 100 ml SM ₂₀ 9222 B 06-May-10 < 1 cfu/ 100 ml SM ₂₀ 9222 D 06-May-10

Virgil Runco Microbiology Supervisor

DICKSON CITY INDUSTRIAL PARK 824 ENTERPRISE STREET DICKSON CITY, PA 18519-1593

PHONE: (570) 489-6964

FAX: (570) 489-6965



CABOT-EPA 007050



May 12, 2010

James Pinta URS Corporation Foster Plaza 4 501 Holiday Drive, Suite 300 Pittsburgh, PA 15220 Date Sampled: 06-May-10 Time Sampled: 13.30 Date Received: 06-May-10

Time Received: 19:25

Sampled by: A. Bayne/A. Mehalko/ URS

- DG SUMP

PARAMETER	RESULT	UNITS	METHOD	ANALYZED	TIME
Total Coliform	TNTC	cfu/ 100 ml	SM ₂₀ 9222 B	06-May-10	20:00
Fecal Coliform	TNTC	cfu/ 100 ml	SM ₂₀ 9222 B	06-May-10	20:00
Fecal Coliform	TNTC	cfu/ 100 ml	SM ₂₀ 9222 D	06-May-10	19:45
Fecal Strep	100	cfu/ 100 ml	SM ₂₀ 9230 C	06-May-10	20:30

TNTC = Too Numerous to count

Virgil Runco Microbiology Supervisor

DICKSON CITY INDUSTRIAL PARK 824 ENTERPRISE STREET DICKSON CITY, PA 18519-1593

PHONE: (570) 489-6964

FAX: (570) 489-6965



CABOT-EPA 007051



May 12, 2010

James Pinta **URS** Corporation Foster Plaza 4 501 Holiday Drive, Suite 300 Pittsburgh, PA 15220

Date Sampled: 06-May-10 Time Sampled: 14.30

Date Received: 06-May-10

Time Received 19.25

Sampled by: A. Bayne/A. Mehalko/ URS

- UG SUMP

PARAMETER	RESULT	UNITS	METHOD	ANALYZED	TIME
Total Coliform	TNTC	cfu/ 100 ml	SM ₂₀ 9222 B	06-May-10	20:00
Fecal Coliform	TNTC	cfu/ 100 ml	SM ₂₀ 9222 B	06-May-10	20:00
Fecal Coliform	TNTC	cfu/ 100 ml	SM ₂₉ 9222 D	06-May-10	19:45
Fecal Strep	*	cfu/ 100 ml	SM ₂₀ 9230 C	06-May-10	20:30

TNTC = Too Numerous to count

* CONFLUENT GROWTH

Virgil Runco Microbiology Supervisor

DICKSON CITY INDUSTRIAL PARK 824 ENTERPRISE STREET DICKSON CITY, PA 18519-1593

PHONE: (570) 489-6964

FAX: (570) 489-6965



CABOT-EPA 007052



May 12, 2010

James Pinta URS Corporation Foster Plaza 4 501 Holiday Drive, Suite 300 Pittsburgh, PA 15220 Date Sampled 06-May-10 Time Sampled 15:15 Date Received: 06-May-10

Time Received: 19 25

Sampled by: A. Bayne/A. Mehalko/ URS

RT29E - CUL

PARAMETER	RESULT	UNITS	METHOD	ANALYZED	TIME
Total Coliform	TNTC	cfu/ 100 ml	SM ₂₀ 9222 B	06-May-10	20:00
Fecal Coliform	TNTC	cfu/ 100 ml	SM ₂₀ 9222 B	06-May-10	20:00
Fecal Coliform	TNTC	cfu/ 100 ml	SM ₂₀ 9222 D	06-May-10	19:45
Fecal Strep	364	cfu/ 100 ml	SM ₂₀ 9230 C	06-May-10	20:30

TNTC = Too Numerous to count

Virgil Runco Microbiology Supervisor

DICKSON CITY INDUSTRIAL PARK 824 ENTERPRISE STREET DICKSON CITY, PA 18519-1593

PHONE: (570) 489-6964

FAX: (570) 489-6965



CABOT-EPA 007053



May 12 2010

James Pinta URS Corporation Foster Plaza 4 501 Holiday Drive, Suite 300 Pittsburgh, PA 15220 Date Sampled: 06-May-10 Time Sampled: 15 45 Date Received: 06-May-10

Time Received 19:25

Sampled by: A. Bayne/A. Mehalko/ URS

- Upstream

PARAMETER	RESULT	UNITS	METHOD	ANALYZED	TIME
Total Coliform	655	cfu/ 100 ml	SM ₂₀ 9222 B	06-May-10	20:00
Fecal Coliform	15	cfu/ 100 ml	SM ₂₀ 9222 B	06-May-10	20:00
Fecal Coliform	11	cfu/ 100 ml	SM ₂₀ 9222 D	06-May-10	19 [.] 45
Fecal Strep	52	cfu/ 100 ml	SM ₂₀ 9230 C	06-Ma y-1 0	20:30

Virgil Runco Microbiology Supervisor

DICKSON CITY INDUSTRIAL PARK 824 ENTERPRISE STREET DICKSON CITY, PA 18519-1593

PHONE: (570) 489-6964

FAX: (570) 489-6965



CABOT-EPA 007054



May 12, 2010

James Pinta URS Corporation Foster Plaza 4 501 Holiday Drive. Suite 300 Pittsburgh, PA 15220 Date Sampled: 06-May-10 Time Sampled: 16:00 Date Received: 06-May-10

Time Received: 19:25

Sampled by: A. Bayne/A. Mehalko/ URS

- Downstream

PARAMETER	RESULT	UNITS	METHOD	ANALYZED	TIME
Total Coliform	760	cfu/ 100 ml	SM ₂₀ 9222 B	06-May-10	20:00
Fecal Coliform	200	cfu/ 100 ml	SM ₂₀ 9222 B	06-May-10	20:00
Fecal Coliform	256	cfu/ 100 ml	SM ₂₀ 9222 D	06-May-10	19:45
Fecal Strep	160	cfu/ 100 ml	SM ₂₀ 9230 C	06-May-10	20:30

Virgil Runco

Microbiology Supervisor

DICKSON CITY INDUSTRIAL PARK 824 ENTERPRISE STREET DICKSON CITY, PA 18519-1593

PHONE: (570) 489-6964

FAX: (570) 489-6965



CABOT-EPA 007055



May 12, 2010

James Pinta URS Corporation Foster Plaza 4 501 Holiday Drive, Suite 300 Pitsburgh PA 15220 Date Sampled: 07-May-10 Time Sampled: 11:45 Date Received: 07-May-10

Time Received: 15:45

Sampled by. A. Bayne/A. Mehalko[,] URS

- P TANK

PARAMETER	RESULT	UNITS	METHOD	ANALYZED	TIME
Total Coliform	72	cfu/ 100 ml	SM ₂₀ 9222 B	07-May-10	16:15
Fecal Coliform	< 1	cfu/ 100 ml	SM ₂₀ 9222 B	07-May-10	16:15
Fecal Coliform	< 1	cfu/ 100 ml	SM ₂₀ 9222 D	07-May-10	15:55
Fecal Strep	4	cfu/ 100 ml	SM ₂₀ 9230 C	07-May-10	16:30

Virgil Runco

Microbiology Supervisor

DICKSON CITY INDUSTRIAL PARK 824 ENTERPRISE STREET DICKSON CITY, PA 18519-1593

PHONE: (570) 489-6964

FAX: (570) 489-6965

CABOT-EPA 007056



May 12, 2010

James Pinta URS Corporation Foster Plaza 4 501 Holiday Drive, Suite 300 Pittsburgh, PA 15220 Date Sampled 07-May-10 Time Sampled 12:30 Date Received: 07-May-10

Time Received: 15.45

Sampled by. A. Bayne/A. Mehalko/ URS

- HD WELL

PARAMETER	RESULT	UNITS	METHOD	ANALYZED	TIME
Total Coliform	172	cfu/ 100 ml	SM ₂₀ 9222 B	07-May-10	16:15
Fecal Coliform	< 1	cfu/ 100 ml	SM ₂₀ 9222 B	07-May-10	16:15
Fecal Coliform	< 1	cfu/ 100 ml	SM ₂₀ 9222 D	07-May-10	15:55
Fecal Strep	6	cfu/ 100 ml	SM ₂₀ 9230 C	07-May-1 0	16:3 0

Virgil Runco Microbiology Supervisor

DICKSON CITY INDUSTRIAL PARK 824 ENTERPRISE STREET DICKSON CITY, PA 18519-1593

PHONE: (570) 489-6964

FAX: (570) 489-6965



CABOT-EPA 007057



May 12 2010

James Pinta URS Corporation Foster Plaza 4 501 Holiday Drive, Suite 300 Pittsburgh, PA 15220 Date Sampled 07-May-10 Time Sampled 10:45 Date Received: 07-May-10

Time Received: 15:45

Sampled by. A. Bayne/A Mehalko/ URS

- HD WELL

PARAMETER	RESULT	UNITS	METHOD	ANALYZED	TIME
Total Coliform	< 1	cfu/ 100 ml	SM ₂₀ 9222 B	07-May-10	16:15
Fecal Coliform	< 1	cfu/ 100 ml	SM ₂₀ 9222 D	07-May-10	15 55
Fecal Strep	< 1	cfu/ 100 ml	SM ₂₆ 9230 C	07-May-10	16:30

Virgil Runco Microbiology Supervisor

DICKSON CITY INDUSTRIAL PARK 824 ENTERPRISE STREET DICKSON CITY, PA 18519-1593

PHONE: (570) 489-6964

FAX: (570) 489-6965



CABOT-EPA 007058



May 12, 2010

James Pinta URS Corporation Foster Plaza 4 501 Holiday Drive, Suite 300 Pittsburgh, PA 15220 Date Sampled: 07-May-10 Time Sampled: 10:00 Date Received: 07-May-10 Time Received: 15:45

Sampled by A. Bayne/A. Mehalko/ URS

- DW

PARAMETER	RESULT	UNITS	METHOD	ANALYZED	TIME
Total Coliform	< 1	cfu/ 100 ml	SM ₂₀ 9222 B	07-May-10	16:15
Fecal Coliform	< 1	cfu/ 100 ml	SM ₂₀ 9222 D	07-May-10	15:55
Fecal Strep	< 1	cfu/ 100 mt	SM ₂₀ 9230 C	07-May-10	16:30

Virgil Runco Microbiology Supervisor

DICKSON CITY INDUSTRIAL PARK
824 ENTERPRISE STREET
DICKSON CITY, PA 18519-1593
PHONE: (570) 489-6964
FAX: (570) 489-6965





May 12, 2010

James Pinta URS Corporation Foster Plaza 4 501 Holiday Drive, Suite 300 Pittsburgh, PA 15220 Date Sampled: 07-May-10 Time Sampled: 9.40 Date Received: 07-May-10 Time Received: 15.45

Sampled by: A Bayne/A, Mehalko/ URS

- DW

PARAMETER	RESULT	UNITS	METHOD	ANALYZED	TIME
Total Coliform	< 1	cfu/ 100 ml	SM ₂₀ 9222 B	07-May-10	16:15
Fecal Coliform	< 1	cfu/ 100 ml	SM ₂₀ 9222 D	07-May-10	15:55
Fecal Strep	< 1	cfu/ 100 mi	SM ₂₀ 9230 C	07-May-10	16:30

Virgil Runco Microbiology Supervisor

DICKSON CITY INDUSTRIAL PARK 824 ENTERPRISE STREET DICKSON CITY, PA 18519-1593

PHONE: (570) 489-6964

FAX: (570) 489-6965



CABOT-EPA 007060

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Special Requirements	646 A	J FAI W	I WITH	Report to: Janes	Pub Curscorpicon
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CHAIN OF CUSTOD									Phone	: (570) 4	189-6964		Fax: (570) 48	39-6965
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DIM0227454



June 11, 2010

Mr. Jim Pinta URS Corporation Foster Plaza 4 501 Holiday Drive, Suite 300 Pittsburgh, PA 15220

RE: Project: 2H/4H
Pace Project No.: 3028135

Dear Mr. Pinta:

Enclosed are the analytical results for sample(s) received by the laboratory on May 21, 2010. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Timothy Reed

timothy.reed@pacelabs.com Project Manager

Enclosures

REPORT OF LABORATORY ANALYSIS

Page 1 of 58

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CABOT-EPA 007063



CERTIFICATIONS

Project:

2H/4H

Pace Project No :

3028135

Pennsylvania Certification IDs 1638 Roseytown Road Suites 2,3&4 Greensburg, PA 15601

15601
Wyoming Certification # 8TMS-Q
Wisconsin/PADEP Certification
West Virginia Certification # 143
Washington Certification #: C1941
Virginia Certification #. 00112
Virgin Island/PADEP Certification

Utah/NELAC Certification #: ANTE
Texas/NELAC Certification #: T104704188-09 TX

Tennessee Certification #. TN2867 South Dakota Certification Puerto Rico Certification #: PA01457 Pennsylvania/NELAC Certification #: 65-00282
Oregon/NELAC Certification #: PA200002
North Carolina Certification #: 42706
New York/NELAC Certification #: 10888 New Mexico Certification
New Jersey/NELAC Certification #: PA 051

New Hampshire/NELAC Certification #: 2976 Nevada Certification Montana Certification #: Cert 0082 Missouri Certification #: 235

Michigan/PADEP Certification Massachusetts Certification #. M-PA1457
Maryland Certification #: 308
Maine Certification #: PA0091
Louisiana/NELAC Certification #: LA080002
Louisiana/NELAC Certification #: 4086 Kentucky Certification #: 90133 Kansas/NELAC Certification #: E-10358 Iowa Certification #: 391
Indiana/PADEP Certification
Illinois/PADEP Certification Idaho Certification
Hawaii/PADEP Certification
Guarn/PADEP Certification
Florida/NELAC Certification #: E87683 Delaware Certification Connecticut Certification #: PH 0694 Colorado Certification California/NELAC Certification #. 04222CA Arkansas Certification Arizona Certification # AZ0734 Alabama Certification #: 41590

REPORT OF LABORATORY ANALYSIS

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Page 2 of 58

CABOT-EPA 007064

DIM0227454

DIM0228297



SAMPLE ANALYTE COUNT

Project.

2H/4H

Pace Project No.: 3028135

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
3028135001	MW-2	EPA 8015B Modified	CWB	2	PASI-PA
		EPA 5030/8015 Mod.	MAK	2	PASI-PA
		EPA 6010B	стѕ	24	PASI-PA
		EPA 6010	SAB	24	PASI-PA
		EPA 7470	CTS	1	PASI-PA
		EPA 7470	CTS	1	PASI-PA
		EPA 8270 by SIM	SPL	19	PASI-PA
		EPA 8270	SPL	75	PASI-PA
		EPA 8260	JAS	54	PASI-PA
		EPA 1664A	DLH	1	PASI-PA
		EPA 1664A	DLH	1	PASI-PA
		SM 2310B	JMC	1	PASI-PA
		SM 2320B	JMC	1	PASI-PA
		SM 2540C	JMC	1	PASI-PA
		SM 4500-H+B	JMC	1	PASI-PA
		SM 5540C	RAA	1	PASI-PA
		EPA 350.1	DJT	1	PASI-PA
		SM 4500-CI-E	DJT	1	PASI-PA
028135002	MW-4	EPA 8015B Modified	CWB	2	PASI-PA
		EPA 5030/8015 Mod.	MAK	2	PASI-PA
		EPA 6010B	CTS	24	PASI-PA
		EPA 6010	SAB	24	PASI-PA
		EPA 7470	CTS	1	PASI-PA
		EPA 7470	CTS	1	PASI-PA
		EPA 8270 by SIM	SPL	19	PASI-PA
		EPA 8270	SPL	75	PASI-PA
		EPA 8260	JAS	54	PASI-PA
		EPA 1664A	DLH	1	PASI-PA
		EPA 1664A	DLH	1	PASI-PA
		SM 2310B	JMC	1	PASI-PA
		SM 2320B	JMC	1	PASI-PA
		SM 2540C	JMC	1	PASI-PA
		SM 4500-H+B	JMC	1	PASI-PA
		SM 5540C	RAA	1	PASI-PA
		EPA 350.1	DJT	1	PASI-PA
		SM 4500-CI-E	DJT	1	PASI-PA
3028135003	MW-1	EPA 8015B Modified	CWB	2	PASI-PA

REPORT OF LABORATORY ANALYSIS

Page 3 of 58

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CABOT-EPA 007065



SAMPLE ANALYTE COUNT

Project.

2H/4H

Pace Project No.:

3028135

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 5030/8015 Mod.	MAK	2	PASI-PA
		EPA 6010B	CTS	24	PASI-PA
		EPA 6010	SAB	24	PASI-PA
		EPA 7470	CTS	1	PASI-PA
		EPA 7470	CTS	1	PASI-PA
		EPA 8270 by SIM	SPL	19	PASI-PA
		EPA 8270	SPL	75	PASI-PA
		EPA 8260	JAS	54	PASI-PA
		EPA 1664A	DLH	1	PASI-PA
		EPA 1664A	DLH	1	PASI-PA
		SM 2310B	JMC	1	PASI-PA
		SM 2320B	JMC	1	PASI-PA
		SM 2540C	JMC	1	PASI-PA
		SM 4500-H+B	JMC	1	PASI-PA
		SM 5540C	RAA	1	PASI-PA
		EPA 350.1	DJT	1	PASI-PA
		SM 4500-CI-E	DJT	1	PASI-PA
3028135004	TRIP BLANK	EPA 5030/8015 Mod.	MAK	2	PASI-PA
		EPA 8260	JAS	54	PASI-PA

REPORT OF LABORATORY ANALYSIS

Page 4 of 58

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CABOT-EPA 007066



ANALYTICAL RESULTS

Project:

2H/4H

Pace Project No.: 3028135

Sample: MW-2	Lab ID: 3028135001	Collected: 05/20/1	0 13.00	Received. 05	/21/10 13 15	Matrix: Water	
Parameters	Results Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qua
8015 GCS THC-Diesel	Analytical Method: EPA	8015B Modified Prepa	ration M	lethod. EPA 3510	1		
Diesel Components	ND mg/L	0 11	1	05/24/10 09:15	05/26/10 11:04	•	
o-Terphenyl (S)	72 %	50-150	1	05/24/10 09:15	05/26/10 11.04	84-15-1	
Gasoline Range Organics	Analytical Method: EPA	5030/8015 Mod.					
TPH (C06-C10)	ND ug/L	200	1		05/24/10 16:16	3	
4-Bromofluorobenzene (S)	96 %	70-130	1		05/24/10 16:16	460-00-4	
6010 MET ICP	Analytical Method: EPA	6010B Preparation Me	ethod: E	PA 3005			
Aluminum	13000 ug/L	50.0	1	05/24/10 14:50	05/26/10 08.50	7429-90-5	
Antimony	ND ug/L	5.0	1	05/24/10 14:50	05/26/10 08:50	7440-36-0	
Arsenic	20.7 ug/L	5.0	1	05/24/10 14 50	05/26/10 08:50	7440-38-2	
Barium	152 ug/L	10.0	1	05/24/10 14:50	05/26/10 08:50	7440-39-3	
Beryllium	ND ug/L	1.0	1	05/24/10 14.50	05/26/10 08.50	7440-41-7	
Boron	ND ug/L	50.0	1	05/24/10 14:50	05/26/10 08.50	7440-42-8	
Cadmium	ND ug/L	1.0	1	05/24/10 14:50	05/26/10 08:50	7440-43-9	
Calcium	25000 ug/L	1000	1	05/24/10 14:50	05/26/10 08:50	7440-70-2	
Chromium	475 ug/L	5.0	1	05/24/10 14:50	05/26/10 08:50	7440-47-3	
Cobalt	13.8 ug/L	5.0	1	05/24/10 14:50	05/26/10 08:50	7440-48-4	
Copper	24.0 ug/L	5.0	1	05/24/10 14:50	05/26/10 08.50	7440-50-8	
ron	23000 ug/L	50.0	1	05/24/10 14:50	05/26/10 08:50	7439-89-6	
Lead	13.1 ug/L	2.0	1	05/24/10 14:50	05/26/10 08.50	7439-92-1	
Magnesium	7310 ug/L	200	1	05/24/10 14:50	05/26/10 08·50	7439-95-4	
Manganese	682 ug/L	5.0	1	05/24/10 14:50	05/26/10 08:50	7439-96-5	
Molybdenum	ND ug/L	20.0	1	05/24/10 14.50	05/26/10 08.56	7439-98-7	
Nickel	256 ug/L	10.0	1	05/24/10 14:50			
Potassium	4350 ug/L	500	1	05/24/10 14.50			
Selenium	ND ug/L	5.0	1	05/24/10 14:50			
Silver	1.5 ug/L	1.0	1	05/24/10 14.50			
Sodium	5770 ug/L	1000	1	05/24/10 14:50			
Thailium	ND ug/L	10.0	1	05/24/10 14:50			
√anadium	16.3 ug/L	5.0	1		05/26/10 08:5		
Zinc	70.2 ug/L	10.0	1	05/24/10 14:50			
6010 MET ICP, Lab Filtered	Analytical Method: EPA	6010 Preparation Met	hod: EP	A 3005			
Aluminum, Dissolved	68.0 ug/L	50.0	1	05/24/10 14:48	05/25/10 19:5	7429-90-5	
Antimony, Dissolved	ND ug/L	5.0	1	05/24/10 14:48			
Arsenic, Dissolved	ND ug/L	5.0	1		05/25/10 19:5		
Barium, Dissolved	33.5 ug/L	10.0	1		05/25/10 19.5		
Beryllium, Dissolved	ND ug/L	1,0	1	05/24/10 14.48			
Boron, Dissolved	ND ug/L	50.0	1		05/26/10 16 2		
Cadmium, Dissolved	ND ug/L	1.0	1	05/24/10 14:48			
Calcium, Dissolved	24200 ug/L	1000	1		05/25/10 19:5		
Chromium, Dissolved	ND ug/L	5.0	1	05/24/10 14:48			
Cobalt, Dissolved	ND ug/L	5.0	1		05/25/10 19.5		
Copper, Dissolved	ND ug/L	5.0	1		05/25/10 19:5		
Iron, Dissolved	72.5 ug/L	50.0 50.0	1		05/25/10 19.5		

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REPORT OF LABORATORY ANALYSIS

Page 5 of 58

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CABOT-EPA 007067



ANALYTICAL RESULTS

Project.

2H/4H

Pace Project No: 3028135

Sample: MW-2	Lab ID: 3028135001	Collected 05/20/1	10 13 00	Received, 05	/21/10 13:15 M	latrix: Water	
Parameters	Results Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Lab Filtered	Analytical Method: EPA	6010 Preparation Met	hod EP	A 3005			
Lead, Dissolved	ND ug/L	2.0	1	05/24/10 14:48	05/25/10 19:59	7439-92-1	
Magnesium, Dissolved	4180 ug/L	200	1	05/24/10 14:48	05/25/10 19:59	7439-95-4	
Manganese, Dissolved	161 ug/L	5.0	1	05/24/10 14:48	05/25/10 19:59	7439-96-5	
Molybdenum, Dissolved	ND ug/L	20.0	1		05/26/10 16:25		
Nickel, Dissolved	ND ug/L	10.0	1	05/24/10 14:48	05/25/10 19:59	7440-02-0	
Potassium, Dissolved	1320 ug/L	500	1	05/24/10 14:48	05/25/10 19.59	7440-09-7	
Selenium, Dissolved	ND ug/L	5.0	1	05/24/10 14:48	05/25/10 19.59	7782-49-2	
Silver, Dissolved	ND ug/L	1.0	1	05/24/10 14:48	05/25/10 19.59	7440-22-4	
Sodium, Dissolved	5850 ug/L	1000	1	05/24/10 14:48	05/25/10 19 59	7440-23-5	
Thallium, Dissolved	ND ug/L	10 .0	1	05/24/10 14:48	05/25/10 19.59	7440-28-0	
Vanadium, Dissolved	ND ug/L	5 .0	1	05/24/10 14:48	05/25/10 19 59	7440-62-2	
Zinc, Dissolved	ND ug/L	10.0	1	05/24/10 14:48	05/25/10 19.59	7440-66-6	
7470 Mercury	Analytical Method. EPA	7470 Preparation Met	hod. EP	A 7470			
Mercury	ND ug/L	0.20	1	05/24/10 15:16	05/25/10 11:34	7439-97-6	
7470 Mercury, Lab Filtered	Analytical Method: EPA	7470 Preparation Met	hod: EP	A 7470			
Mercury, Dissolved	ND ug/L	0.20	1	05/24/10 15.14	05/25/10 11:26	7439-97-6	
8270 MSSV PAH by SIM	Analytical Method: EPA	8270 by SIM Preparat	on Met	nod. EPA 3510			
Acenaphthene	ND ug/L	2.6	1	05/24/10 09:15	05/24/10 21:32	83-32-9	
Acenaphthylene	ND ug/L	2.6	1	05/24/10 09:15	05/24/10 21:32	208-96-8	
Anthracene	ND ug/L	0.20	1	05/24/10 09:15	05/24/10 21:32	120-12-7	
Benzo(a)anthracene	ND ug/L	0.20	1	05/24/10 09:15	05/24/10 21:32	56-55-3	
Benzo(a)pyrene	ND ug/L	0.20	1	05/24/10 09:15	05/24/10 21:32	50-32-8	
Benzo(b)fluoranthene	ND ug/L	0.20	1	05/24/10 09:15	05/24/10 21:32	205-99-2	
Benzo(g,h,i)perylene	ND ug/L	0.20	1	05/24/10 09:15	05/24/10 21:32	191-24-2	
Benzo(k)fluoranthene	ND ug/L	0.20	1	05/24/10 09 15	05/24/10 21:32	207-08-9	
Chrysene	ND ug/L	0.20	1	05/24/10 09.15	05/24/10 21:32	218-01-9	
Dibenz(a,h)anthracene	ND ug/L	0.20	1	05/24/10 09 15	05/24/10 21:32	53-70-3	
Fluoranthene	ND ug/L	0.20	1	05/24/10 09.15	05/24/10 21:32	206-44-0	
Fluorene	ND ug/L	0.20	1	05/24/10 09:15	05/24/10 21:32	86-73-7	
Indeno(1,2,3-cd)pyrene	ND ug/L	0.20	1	05/24/10 09:15	05/24/10 21:32	193-39-5	
Naphthalene	ND ug/L	1.0	1	05/24/10 09.15	05/24/10 21:32	91-20-3	
Phenanthrene	ND ug/L	0.20	1	05/24/10 09:15	05/24/10 21:32	85-01-8	
Pyrene	ND ug/L	0.20	1	05/24/10 09:15	05/24/10 21:32	129-00-0	
Nitrobenzene-d5 (S)	55 %	35-114	1	05/24/10 09:15	05/24/10 21:32	4165-60-0	
2-Fluorobiphenyl (S)	53 %	43-116	1	05/24/10 09:15	05/24/10 21:32	321-60-8	
Terphenyl-d14 (S)	65 %	33-141	1	05/24/10 09:15	05/24/10 21:32	1718-51-0	
8270 MSSV Semivolatile Organic	Analytical Method. EPA	8270 Preparation Met	hod. EF	A 3510			
1,2,4-Trichlorobenzene	ND ug/L	1.0	1	05/24/10 09:15	05/24/10 15 50	120-82-1	
1,2-Dichlorobenzene	ND ug/L	1.0	1		05/24/10 15:50		
1,3-Dichlorobenzene	ND ug/L	1.0	1		05/24/10 15.50		
1,4-Dichlorobenzene	ND ug/L	1.0	1		05/24/10 15.50		
1-Methylnaphthalene	ND ug/L	1.0	1		05/24/10 15:50		

Date 06/11/2010 05:14 PM

REPORT OF LABORATORY ANALYSIS

Page 6 of 58

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CABOT-EPA 007068



ANALYTICAL RESULTS

Project:

2H/4H

Pace Project No 3028135

Sample: MW-2	Lab ID: 30281	35001	Collected:	05/20/1	0 13:00	Received: 05	/21/10 13:15 N	Matrix: Water	
Parameters	Results	Units	Report	Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method	d. EPA 8	270 Preparati	on Meth	nod: EP/	A 3510			
2,4,5-Trichlorophenol	ND ug/L			2.6	1	05/24/10 09:15	05/24/10 15.50	95-95-4	
2,4,6-Trichlorophenol	ND ug/L			10	1	05/24/10 09.15	05/24/10 15 50	88-06-2	
2,4-Dichlorophenol	ND ug/L			1.0	1	05/24/10 09:15	05/24/10 15:50	120-83-2	
2,4-Dimethylphenol	ND ug/L			10	1	05/24/10 09:15	05/24/10 15.50	105-67-9	
2,4-Dinitrophenol	ND ug/L			2.6	1	05/24/10 09.15	05/24/10 15:50	51-28-5	
2,4-Dinitrotoluene	ND ug/L			1.0	1	05/24/10 09:15	05/24/10 15.50	121-14-2	
2,6-Dinitrotoluene	ND ug/L			1.0	1		05/24/10 15:50		
2-Chloronaphthalene	ND ug/L			1.0	1		05/24/10 15.50		
2-Chlorophenol	ND ug/L			1.0	1		05/24/10 15:50		
2-Methylnaphthalene	ND ug/L			1.0	1		05/24/10 15:50		
2-Methylphenol(o-Cresol)	ND ug/L			1.0	1		05/24/10 15.50		
2-Nitroaniline	ND ug/L			2.6	1		05/24/10 15:50		
2-Nitrophenol	ND ug/L			1.0	1		05/24/10 15:50		
3&4-Methylphenol(m&p Cresol)	ND ug/L			2.0	1		05/24/10 15:50	00 70-0	
3,3'-Dichlorobenzidine	ND ug/L			1.0	1		05/24/10 15:50	91-94-1	
3-Nitroaniline	ND ug/L			26	1		05/24/10 15:50		
4,6-Dinitro-2-methylphenol	ND ug/L			2.6	1		05/24/10 15:50		
4-Bromophenylphenyl ether	ND ug/L			1.0	1		05/24/10 15:50		
4-Chloro-3-methylphenol	ND ug/L			1.0	1		05/24/10 15:50		
4-Chloroaniline	ND ug/L			1.0	1		05/24/10 15:50		
4-Chlorophenylphenyl ether	ND ug/L			1.0	1		05/24/10 15:50		
4-Nitroaniline	ND ug/L			2.6	1		05/24/10 15:50		
4-Nitrophenol	ND ug/L			1.0	1		05/24/10 15:50		
Acenaphthene	ND ug/L			1.0	1		05/24/10 15:50		
Acenaphthylene	ND ug/L			1.0	1		05/24/10 15:50		
Anthracene	ND ug/L			1.0	i		05/24/10 15:50		
Azobenzene	ND ug/L			1.0	1		05/24/10 15:50		
Benzo(a)anthracene	ND ug/L			1.0	1		05/24/10 15:50		
Benzo(a)pyrene	ND ug/L			1.0	1				
Benzo(b)fluoranthene	ND ug/L			1.0	1		05/24/10 15:50 05/24/10 15:50		
Benzo(g,h,i)perylene	ND ug/L			1.0	1		05/24/10 15:50		
Benzo(k)fluoranthene	ND ug/L			1.0	1				
Benzoic acid	ND ug/L			102	1		05/24/10 15:50		
Benzyl alcohol	ND ug/L			1.0	1		05/24/10 15.50		
Butylbenzylphthalate							05/24/10 15:50		
Carbazole	ND ug/L			1.0	1		05/24/10 15.50		
Chrysene	ND ug/L			1.0	1		05/24/10 15:50		
•	ND ug/L			1.0	1		05/24/10 15.50		
Di-n-butylphthalate	ND ug/L			1.0	1		05/24/10 15:50		
Di-n-octylphthalate	ND ug/L			1.0	1		05/24/10 15.50		
Dibenz(a,h)anthracene Dibenzofuran	ND ug/L			1.0	1		05/24/10 15·50		
	ND ug/L			1.0	1		05/24/10 15.50		
Diethylphthalate	ND ug/L			1.0	1		05/24/10 15:50		
Dimethylphthalate	ND ug/L			1.0	1		05/24/10 15.50		
Fluoranthene	ND ug/L			1.0	1		05/24/10 15:50		
Fluorene	ND ug/L			1.0	1		05/24/10 15.50		
Hexachloro-1,3-butadiene	ND ug/L			1.0	1		05/24/10 15:50		
Hexachlorobenzene	ND ug/L			1.0	1	05/24/10 09:15	05/24/10 15.50	118-74-1	

Date: 06/11/2010 05.14 PM

REPORT OF LABORATORY ANALYSIS

Page 7 of 58

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CABOT-EPA 007069



ANALYTICAL RESULTS

Project:

Pace Project No.: 3028135

2H/4H

Sample: MW-2	Lab ID: 302	8135001	Collected: 05/20/1	10 13:00	Received. 05	/21/10 13:15 N	fatrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Meth	nod: EPA 8	270 Preparation Met	hod EPA	A 3510			
Hexachlorocyclopentadiene	ND ug	/L	1.0	1	05/24/10 09:15	05/24/10 15:50	77-47-4	
Hexachloroethane	ND ug	/L	1.0	1	05/24/10 09:15	05/24/10 15:50	67-72-1	
Indeno(1,2,3-cd)pyrene	ND ug	/L	1.0	1	05/24/10 09:15	05/24/10 15:50	193-39-5	
Isophorone	ND ug	/L	1.0	1	05/24/10 09:15	05/24/10 15:50	78-59-1	
N-Nitroso-di-n-propylamine	ND ug	/L	1.0	1	05/24/10 09:15	05/24/10 15:50	621-64-7	
N-Nitrosodimethylamine	ND ug	/L	1.0	1	05/24/10 09:15	05/24/10 15:50	62-75-9	
N-Nitrosodiphenylamine	ND ug	/L	10	1	05/24/10 09 15	05/24/10 15:50	86-30-6	
Naphthalene	ND ug		1.0	1	05/24/10 09.15	05/24/10 15:50	91-20-3	
Nitrobenzene	ND ug	/L	10	1	05/24/10 09.15	05/24/10 15:50	98-95-3	
Pentachlorophenol	ND ug	/L	2.6	1	05/24/10 09.15	05/24/10 15:50	87-86-5	
Phenanthrene	ND ug	/L	1.0	1	05/24/10 09.15	05/24/10 15:50	85-01-8	
Phenol	ND ug		1.0	1	05/24/10 09.15	05/24/10 15.50	108-95-2	
Pyrene	ND ug	/L	1.0	1	05/24/10 09.15	05/24/10 15 50	129-00-0	
bis(2-Chloroethoxy)methane	ND ug		1.0	1	05/24/10 09:15	05/24/10 15 50	111-91-1	
bis(2-Chloroethyl) ether	ND ug		1.0	1	05/24/10 09:15	05/24/10 15:50	111-44-4	
bis(2-Chloroisopropyl) ether	ND ug		1.0	1	05/24/10 09:15	05/24/10 15:50	108-60-1	
bis(2-Ethylhexyl)phthalate	8.6 ug		1.0	1		05/24/10 15:50		
Nitrobenzene-d5 (S)	42 %		35-114	1		05/24/10 15:50		
2-Fluorobiphenyl (S)	48 %		43-116	1		05/24/10 15:50		
Terphenyl-d14 (S)	79 %		33-141	1		05/24/10 15:50		
Phenol-d6 (S)	16 %		10-110	1		05/24/10 15 50		
2-Fluorophenol (S)	31 %		21-110	1		05/24/10 15.50		
2,4,6-Tribromophenol (S)	50 %		10-123	1		05/24/10 15:50		
8260 MSV	Analytical Met	hod EPA8	260					
1,1,1-Trichloroethane	ND ug	/L	1.0	1		05/24/10 18:34	71-55-6	
1,1,2,2-Tetrachloroethane	ND ug		1.0	1		05/24/10 18:34	79-34-5	
1,1,2-Trichloroethane	ND ug		1.0	1		05/24/10 18:34	79-00-5	
1,1-Dichloroethane	ND ug		10	1		05/24/10 18 ⁻ 34	75-34-3	
1,1-Dichloroethene	ND ug		10	1		05/24/10 18:34	75-35-4	
1,2,4-Trichlorobenzene	ND ug		1.0	1		05/24/10 18:34		
1,2,4-Trimethylbenzene	ND ug		1.0	1		05/24/10 18:34	95-63-6	
1,2-Dichlorobenzene	ND ug		1.0	1		05/24/10 18:34		
1,2-Dichloroethane	ND ug		1.0	1		05/24/10 18:34	107-06-2	
1,2-Dichloroethene (Total)	ND ug		2.0	1		05/24/10 18:34		
1,2-Dichloropropane	ND ug		1.0	1		05/24/10 18:34		
1,3,5-Trimethylbenzene	ND ug		1.0	1		05/24/10 18.34		
1.3-Dichlorobenzene	ND ug	•	1.0	1		05/24/10 18:34		
1,4-Dichlorobenzene	ND ug	•	1.0	1		05/24/10 18:34		
2-Butanone (MEK)	ND ug	•	10.0	1		05/24/10 18.34		
2-Hexanone	ND ug	•	10.0	i		05/24/10 18:34		
4-Methyl-2-pentanone (MIBK)	ND ug	•	10 0	1		05/24/10 18:34		
Acetone	ND ug	•	10.0	1		05/24/10 18:34		
Benzene	ND ug	•	1.0	1		05/24/10 18:34		
Bromochloromethane	ND ug	•	1.0	1		05/24/10 18:34		
Bromodichloromethane	ND ug	•	1.0	1		05/24/10 18:34		
Bromoform	ND ug	•	1.0	1		05/24/10 18:34		

Date: 06/11/2010 05 14 PM REPORT OF LABORATORY ANALYSIS

Page 8 of 58

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CABOT-EPA 007070



(724)850-5600

ANALYTICAL RESULTS

Project[.]

2H/4H

Pace Project No..

3028135

Sample: MW-2	Lab ID: 3028135001	Collected: 05/20/10	13:00	Received: 0	5/21/10 13:15 M	latrıx: Water	
Parameters	Results Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qua
8260 MSV	Analytical Method. EPA	8260					
Bromomethane	ND ug/L	1.0	1		05/24/10 18·34	74-83-9	
Carbon disulfide	ND ug/L	1.0	1		05/24/10 18:34	75-15-0	
Carbon tetrachloride	ND ug/L	1.0	1		05/24/10 18:34	56-23-5	
Chlorobenzene	ND ug/L	1.0	1		05/24/10 18:34	108-90-7	
Chloroethane	ND ug/L	1.0	1		05/24/10 18:34	75-00-3	
Chloroform	ND ug/L	1.0	1		05/24/10 18:34	67 - 66-3	
Chloromethane	ND ug/L	1.0	1		05/24/10 18:34	74-87-3	
Dibromochloromethane	ND ug/L	1.0	1		05/24/10 18:34	124-48-1	
Ethylbenzene	ND ug/L	1.0	1		05/24/10 18·34	100-41-4	
Isopropylbenzene (Cumene)	ND ug/L	1.0	1		05/24/10 18:34	98-82-8	
Methyl-tert-butyl ether	ND ug/L	1.0	1		05/24/10 18:34	1634-04-4	
Methylene Chloride	ND ug/L	1.0	1		05/24/10 18:34	75-09-2	
Naphthalene	ND ug/L	2.0	1		05/24/10 18·34	91-20-3	
Styrene	ND ug/L	1.0	1		05/24/10 18:34	100-42-5	
Tetrachloroethene	ND ug/L	10	1		05/24/10 18·34	127-18-4	
Toluene	ND ug/L	1.0	1		05/24/10 18:34	108-88-3	
Trichloroethene	ND ug/L	1.0	1		05/24/10 18.34	79-01-6	
Vinyl chloride	ND ug/L	1.0	1		05/24/10 18:34	75-01-4	
Xylene (Total)	ND ug/L	3.0	1		05/24/10 18.34	1330-20-7	
cis-1,2-Dichloroethene	ND ug/L	1.0	1		05/24/10 18:34	156-59-2	
cis-1,3-Dichloropropene	ND ug/L	1.0	1		05/24/10 18.34	10061-01-5	
m&p-Xylene	ND ug/L	2.0	1		05/24/10 18:34	179601-23-1	
n-Butylbenzene	ND ug/L	1.0	1		05/24/10 18:34	104-51-8	
n-Propylbenzene	ND ug/L	1.0	1		05/24/10 18:34	103-65-1	
o-Xylene	ND ug/L	1.0	1		05/24/10 18.34	95-47-6	
p-Isopropyltoluene	ND ug/L	1.0	1		05/24/10 18:34	99-87-6	
sec-Butylbenzene	ND ug/L	1.0	1		05/24/10 18.34	135-98-8	
trans-1,2-Dichloroethene	ND ug/L	1.0	1		05/24/10 18:34	156-60-5	
trans-1,3-Dichloropropene	ND ug/L	10	1		05/24/10 18.34	10061-02-6	
4-Bromofluorobenzene (S)	71 %	70-130	1		05/24/10 18:34	460-00-4	
1,2-Dichloroethane-d4 (S)	122 %	70-130	1		05/24/10 18:34	17060-07-0	
Toluene-d8 (S)	78 %	70-130	1		05/24/10 18:34	2037-26-5	
HEM, Oil and Grease	Analytical Method: EPA	1664A					
Oil and Grease	ND mg/L	4.9	1		05/25/10 17:51		
1664 SGT-HEM, TPH	Analytical Method. EPA	1664A					
Total Petroleum Hydrocarbons	ND mg/L	4.9	1		05/25/10 17.59)	
2310B Acidity, Total	Analytical Method: SM 2	2310B					
Acidity, Total	ND mg/L	10.0	1		05/24/10 21:00)	
2320B Alkalinity	Analytical Method. SM 2	2320B					
Alkalinity, Total as CaCO3	54.0 mg/L	10.0	1		05/24/10 19·20)	

Date: 06/11/2010 05:14 PM

REPORT OF LABORATORY ANALYSIS

Page 9 of 58

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CABOT-EPA 007071



(724)850-5600

ANALYTICAL RESULTS

Project:

2H/4H

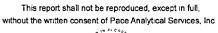
Pace Project No.: 3028135

Sample: MW-2	Lab ID: 3028135001	Collected. 05/20/	10 13.00	Received 05/21/10 13:1	5 Matrix: Water	·
Parameters	Results Units	Report Limit	DF	Prepared Analyze	ed CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2	2540C				
Total Dissolved Solids	92.0 mg/L	10.0	1	05/25/10 1	7.30	
4500H+ pH, Electrometric	Analytical Method: SM 4	\$500-H+B				
pH at 25 Degrees C	7.0 Std. Units	1.0	1	05/21/10 2	0:15	H6
5540C MBAS Surfactants	Analytical Method, SM 5	5540C				
Surfactants	ND mg/L	0.10	1	05/21/10 2	1:00	
350.1 Ammonia, Distilled	Analytical Method: EPA	350.1				
Ammonia, Distilled	ND mg/L	0.10	1	05/26/10 1	2.46	
4500 Chloride	Analytical Method SM 4	1500-CI-E				
Chloride	12.5 mg/L	3.0	1	05/25/10 1	1:07 16887-00-6	

Date: 06/11/2010 05 14 PM

REPORT OF LABORATORY ANALYSIS

Page 10 of 58





CABOT-EPA 007072



ANALYTICAL RESULTS

Project

2H/4H

Pace Project No.: 3028135

Sample: MW-4	Lab ID: 302813500	2 Collected: 05/20/1	0 14 0	D Received: 05	/21/10 13.15 N	Matrix: Water	
Parameters	Results Uni	ts Report Limit	DF	Prepared	Analyzed	CAS No.	Qua
8015 GCS THC-Diesel	Analytical Method, EP	A 8015B Modified Prepa	ration I	Method: EPA 3510)		
Diesel Components	0.20 mg/L	0.10	1	05/24/10 09.15	05/26/10 11:12		
o-Terphenyl (S)	68 %	50-150	1	05/24/10 09:15	05/26/10 11:12	84-15-1	
Gasoline Range Organics	Analytical Method: EP	A 5030/8015 Mod					
TPH (C06-C10)	ND ug/L	200	1		05/24/10 16.33		
4-Bromofluorobenzene (S)	93 %	70-130	1		05/24/10 16:33	460-00-4	
6010 MET ICP	Analytical Method: EP	A 6010B Preparation Me	ethod: E	EPA 3005			
Aluminum	7390 ug/L	50.0	1		05/26/10 08:56		
Antimony	ND ug/L	5.0	1	05/24/10 14:50	05/26/10 08 56	7440-36-0	
Arsenic	29.0 ug/L	5.0	1		05/26/10 08:56		
Barium -	76.0 ug/L	10.0	1		05/26/10 08 56		
Beryllium	ND ug/L	1.0	1		05/26/10 08:56		
Boron	ND ug/L	50.0	1		05/26/10 08·56		
Cadmium	ND ug/L	1.0	1		05/26/10 08:56		
Calcium	21600 ug/L	1000	1		05/26/10 08:56		
Chromium	27.7 ug/L	5.0	1		05/26/10 08:56		
Cobalt	9.4 ug/L	5 0	1	05/24/10 14:50	05/26/10 08:56	7440-48-4	
Copper	11.7 ug/L	5.0	1	05/24/10 14·50	05/26/10 08:56	7440-50-8	
ron	15300 ug/L	50 0	1	05/24/10 14:50	05/26/10 08 56	7439-89-6	
Lead	14.8 ug/L	2.0	1	05/24/10 14:50	05/26/10 08:56	7439-92-1	
Magnesium	5800 ug/L	200	1	05/24/10 14:50	05/26/10 08:56	7439-95-4	
Manganese	775 ug/L	5.0	1	05/24/10 14 50	05/26/10 08:56	7439-96-5	
Molybdenum	ND ug/L	20.0	1	05/24/10 14:50	05/26/10 08:56	7439-98-7	
Nickel	26.6 ug/L	10.0	1	05/24/10 14:50	05/26/10 08:56	7440-02-0	
Potassium	3840 ug/L	500	1	05/24/10 14:50	05/26/10 08:56	7440-09-7	
Selenium	ND ug/L	5.0	1	05/24/10 14:50	05/26/10 08:56	7782-49-2	
Silver	ND ⊔g/L	1.0	1	05/24/10 14:50	05/26/10 08.56	7440-22-4	
Sodium	3370 ug/L	1000	1	05/24/10 14:50	05/26/10 08:56	7440-23-5	
Thallium	ND ug/L	10.0	1	05/24/10 14:50	05/26/10 08:56	7440-28-0	
Vanadium	10.3 ug/L	5.0	1	05/24/10 14:50	05/26/10 08:56	7440-62-2	
Zinc	42.6 ug/L	10.0	1	05/24/10 14:50	05/26/10 08:56	7440-66-6	
6010 MET ICP, Lab Filtered	Analytical Method: EF	A 6010 Preparation Met	hod El	PA 3005			
Aluminum, Dissolved	ND ug/L	50.0	1	05/24/10 14:48	05/25/10 20:04	7429-90-5	
Antimony, Dissolved	ND ug/L	5.0	1	05/24/10 14.48	05/25/10 20.04	7440-36-0	
Arsenic, Dissolved	ND ug/L	5.0	1	05/24/10 14:48	05/25/10 20:04	7440-38-2	
Barium, Dissolved	15.4 ug/L	10.0	1	05/24/10 14:48	05/25/10 20 04	7440-39-3	
Beryllium, Dissolved	ND ug/L	1.0	1	05/24/10 14:48	05/25/10 20:04	7440-41-7	
Boron, Dissolved	ND ug/L	50.0	1	05/24/10 14:48	05/26/10 16:29	7440-42-8	
Cadmium, Dissolved	ND ug/L	1.0	1	05/24/10 14.48	05/25/10 20:04	7440-43-9	
Calcium, Dissolved	19000 ug/L	1000	1	05/24/10 14:48	05/25/10 20:04	7440-70-2	
Chromium, Dissolved	ND ug/L	5.0	1	05/24/10 14.48	05/25/10 20.04	7440-47-3	
Cobalt, Dissolved	ND ug/L	5 0	1	05/24/10 14:48	05/25/10 20:04	7440-48-4	
Copper, Dissolved	ND ug/L	5.0	1	05/24/10 14.48	05/25/10 20:04	7440-50-8	
Iron, Dissolved	ND ug/L	50.0	1	05/24/10 14:48	05/25/10 20:04	7439-89-6	

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REPORT OF LABORATORY ANALYSIS

Page 11 of 58

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CABOT-EPA 007073



ANALYTICAL RESULTS

Project:

Date: 06/11/2010 05.14 PM

Pace Project No.: 3028135

2H/4H

Sample: MW-4	Lab ID: 302813500	2 Collected 05/20/	0 14:00	Received. 05	/21/10 13:15 N	latrix. Water	
Parameters	Results Un	Its Report Limit	DF	Prepared	Analyzed	CAS No	Qual
6010 MET ICP, Lab Filtered	Analytical Method: EF	A 6010 Preparation Met	nod: EP/	A 3005			
Lead, Dissolved	ND ug/L	2.0	1	05/24/10 14.48	05/25/10 20:04	7439-92-1	
Magnesium, Dissolved	3260 ug/L	200	1	05/24/10 14:48	05/25/10 20:04	7439-95-4	
Manganese, Dissolved	287 ug/L	5.0	1	05/24/10 14:48	05/25/10 20.04	7439-96-5	
Molybdenum, Dissolved	ND ug/L	20.0	1	05/24/10 14.48	05/26/10 16-29	7439-98-7	
Nickel, Dissolved	ND ug/L	10.0	1	05/24/10 14.48	05/25/10 20.04	7440-02-0	
Potassium, Dissolved	1460 ug/L	500	1	05/24/10 14:48	05/25/10 20 04	7440-09-7	
Selenium, Dissolved	ND ug/L	50	1	05/24/10 14:48	05/25/10 20.04	7782-49-2	
Silver, Dissolved	ND ug/L	1.0	1	05/24/10 14:48	05/25/10 20.04	7440-22-4	
Sodium, Dissolved	3300 ug/L	1000	1	05/24/10 14:48	05/25/10 20.04	7440-23-5	
Thallium, Dissolved	ND ug/L	10 0	1	05/24/10 14:48	05/25/10 20.04	7440-28-0	
Vanadium, Dissolved	ND ug/L	5.0	1	05/24/10 14:48	05/25/10 20:04	7440-62-2	
Zinc, Dissolved	ND ug/L	10.0	1	05/24/10 14:48	05/25/10 20:04	7440-66-6	
7470 Mercury	Analytical Method: EF	A 7470 Preparation Met	hod: EP	A 7470			
Mercury	ND ug/L	0.20	1	05/24/10 15:16	05/25/10 11:35	7439-97-6	
7470 Mercury, Lab Filtered	Analytical Method: EF	A 7470 Preparation Met	hod [.] EP	A 7470			
Mercury, Dissolved	ND ug/L	0.20	1	05/24/10 15:14	05/25/10 11:30	7439-97-6	
8270 MSSV PAH by SIM	Analytical Method: EF	A 8270 by SIM Preparat	on Meth	nod: EPA 3510			
Acenaphthene	ND ug/L	2.8	1	05/24/10 09:15	05/24/10 21:58	83-32-9	
Acenaphthylene	ND ug/L	2.8	1	05/24/10 09:15	05/24/10 21:58	208-96-8	
Anthracene	ND ug/L	0.22	1	05/24/10 09:15	05/24/10 21:58	120-12-7	
Benzo(a)anthracene	ND ug/L	0.22	1	05/24/10 09:15	05/24/10 21:58	56-5 5- 3	
Benzo(a)pyrene	ND ug/L	0.22	1	05/24/10 09:15	05/24/10 21:58	50-32-8	
Benzo(b)fluoranthene	ND ug/L	0.22	1	05/24/10 09:15	05/24/10 21:58	205-99-2	
Benzo(g,h,i)perylene	ND ug/L	0 22	1	05/24/10 09.15	05/24/10 21:58	191-24-2	
Benzo(k)fluoranthene	ND ug/L	0.22	1	05/24/10 09:15	05/24/10 21:58	207-08-9	
Chrysene	ND ug/L	0.22	1	05/24/10 09.15	05/24/10 21:58	218-01-9	
Dibenz(a,h)anthracene	ND ug/L	0.22	1	05/24/10 0 9:15	05/24/10 21:58	53-70-3	
Fluoranthene	ND ug/L	0 22	1	05/24/10 0 9.15	05/24/10 21:58	206-44-0	
Fluorene	ND ug/L	0 22	1	05/24/10 09 15	05/24/10 21:58	86-73-7	
Indeno(1,2,3-cd)pyrene	ND ug/L	0 22	1		05/24/10 21 58		
Naphthalene	ND ug/L	1.1	1	05/24/10 09.15	05/24/10 21.58	91-20-3	
Phenanthrene	ND ug/L	0.22	1	05/24/10 09.15	05/24/10 21 58	85-01-8	
Pyrene	ND ug/L	0.22	1	05/24/10 09.15	05/24/10 21.58	129-00-0	
Nitrobenzene-d5 (S)	59 %	35-114	1	05/24/10 09.15	05/24/10 21:58	4165-60-0	
2-Fluorobiphenyl (S)	54 %	43-116	1	05/24/10 09:15	05/24/10 21:58	321-60-8	
Terphenyl-d14 (S)	79 %	33-141	1	05/24/10 09:15	05/24/10 21:58	1718-51-0	
8270 MSSV Semivolatile Organic	Analytical Method: El	PA 8270 Preparation Met	hod: EP	A 3510			
1,2,4-Trichlorobenzene	ND ug/L	1.1	1	05/24/10 09:15	05/24/10 16:13	120-82-1	
1,2-Dichlorobenzene	ND ug/L	1.1	1		05/24/10 16:13		
1,3-Dichlorobenzene	ND ug/L	1.1	1		05/24/10 16:13		
1,4-Dichlorobenzene	ND ug/L	1.1	1		05/24/10 16:13		
	-5-	** 1	1	05/24/10 09.15		. 30 .0 .	

REPORT OF LABORATORY ANALYSIS

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CABOT-EPA 007074

Page 12 of 58



Pace Analytical Services, Inc.

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(724)850-5600

ANALYTICAL RESULTS

Project:

2H/4H

Pace Project No.: 3028135

Sample: MW-4	Lab ID: 3028135002	Collected: 05/20/10 1	4:00	Received: 05/2	21/10 13.15 N	latrıx Water	
Parameters	Results Units	Report Limit [DF	Prepared	Analyzed	CAS No.	Qua
8270 MSSV Semivolatile Organic	Analytical Method. EPA 8	270 Preparation Method	: EP/	A 3510			
2,4,5-Trichlorophenol	ND ug/L	28	1	05/24/10 09:15	05/24/10 16:13	95-95-4	
2,4,6-Trichlorophenol	ND ug/L	1.1	1	05/24/10 09:15	05/24/10 16:13	88-06-2	
2,4-Dichlorophenol	ND ug/L	1.1	1	05/24/10 09:15	05/24/10 16:13	120-83-2	
2,4-Dimethylphenol	ND ug/L	1.1	1	05/24/10 09:15	05/24/10 16.13	105-67-9	
2,4-Dinitrophenol	ND ug/L	2.8	1	05/24/10 09:15	05/24/10 16:13	51-28-5	
2,4-Dinitrotoluene	ND ug/L	1.1	1	05/24/10 09:15	05/24/10 16.13	121-14-2	
2,6-Dinitrotoluene	ND ug/L	1.1	1	05/24/10 09:15			
2-Chloronaphthalene	ND ug/L	1.1	1	05/24/10 09:15			
2-Chlorophenol	ND ug/L	1.1	1	05/24/10 09:15			
2-Methylnaphthalene	ND ug/L	1.1	1	05/24/10 09:15			
2-Methylphenol(o-Cresol)	ND ug/L	1,1	1	05/24/10 09:15			
2-Nitroaniline	ND ug/L		1	05/24/10 09:15			
2-Nitrophenol	ND ug/L	1,1	1	05/24/10 09.15			
3&4-Methylphenol(m&p Cresol)	ND ug/L	2.2	1	05/24/10 09:15		00,00	
3,3'-Dichlorobenzidine	ND ug/L	1.1	1	05/24/10 09.15		91_94_1	
3-Nitroaniline	ND ug/L	2.8	1	05/24/10 09:15			
4,6-Dinitro-2-methylphenol	ND ug/L	2.8	1	05/24/10 09.15			
4-Bromophenylphenyl ether	ND ug/L	1.1	1	05/24/10 09:15			
4-Chloro-3-methylphenol	ND ug/L	1.1	1	05/24/10 09.15			
4-Chloroaniline	_	1.1	1	05/24/10 09:15			
	ND ug/L	1.1	1	05/24/10 09.15			
4-Chlorophenylphenyl ether	ND ug/L						
4-Nitroaniline	ND ug/L	2.8	1	05/24/10 09:15			
4-Nitrophenol	ND ug/L	1.1	1	05/24/10 09:15			
Acenaphthene	ND ug/L	1.1	1	05/24/10 09.15			
Acenaphthylene	ND ug/L	1.1		05/24/10 09:15			
Anthracene	ND ug/L	1.1	1	05/24/10 09.15			
Azobenzene	ND ug/L	1.1	1	05/24/10 09:15			
Benzo(a)anthracene	ND ug/L	1.1	1	05/24/10 09.15			
Benzo(a)pyrene	ND ug/L	1.1	1	05/24/10 09:15			
Benzo(b)fluoranthene	ND ug/L	1.1	1	05/24/10 09:15			
Benzo(g,h,i)perylene	ND ug/L	1.1	1	05/24/10 09:15			
Benzo(k)fluoranthene	ND ug/L	1.1	1	05/24/10 09:15			
Benzoic acid	ND ug/L	112	1	05/24/10 09·15			
Benzyl alcohoi	ND ug/L	1.1	1	05/24/10 09:15			
Butylbenzylphthalate	ND ug/L	1.1	1	05/24/10 09:15			
Carbazole	ND ug/L	1.1	1	05/24/10 09.15			
Chrysene	ND ug/L	1.1	1	05/24/10 09:15	05/24/10 16:13	218-01-9	
Di-n-butylphthalate	ND ug/L	1.1	1	05/24/10 09:15	05/24/10 16:13	84-74-2	
Di-n-octylphthalate	ND ug/L	1.1	1	05/24/10 09:15	05/24/10 16:13	117-84-0	
Dibenz(a,h)anthracene	ND ug/L	1,1	1	05/24/10 09:15	05/24/10 16.13	53-70 - 3	
Dibenzofuran	ND ug/L	1.1	1	05/24/10 09:15	05/24/10 16:13	132-64-9	
Diethylphthalate	ND ug/L	1.1	1	05/24/10 09:15	05/24/10 16:13	84-66-2	
Dimethylphthalate	ND ug/L	1.1	1	05/24/10 09:15	05/24/10 16:13	131-11-3	
Fluoranthene	ND ug/L	1.1	1	05/24/10 09:15	05/24/10 16:13	206-44-0	
Fluorene	ND ug/L	1.1	1	05/24/10 09:15	05/24/10 16.13	86-73-7	
Hexachloro-1,3-butadiene	ND ug/L	1.1	1	05/24/10 09 15	05/24/10 16:13	87-68-3	
Hexachlorobenzene	ND ug/L	1.1	1	05/24/10 09.15	05/04/40 46:40	110 74 1	

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REPORT OF LABORATORY ANALYSIS

Page 13 of 58

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CABOT-EPA 007075



ANALYTICAL RESULTS

Project.

2H/4H

Pace Project No.: 3028135

Sample: MW-4	Lab ID: 302813500	02 Collected 05/20/	10 14:00	Received: 05	/21/10 13:15	Matrix: Water	
Parameters	Results Ur	nits Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method: Ef	PA 8270 Preparation Met	hod: EP/	3510			
Hexachlorocyclopentadiene	ND ug/L	1.1	1	05/24/10 09.15	05/24/10 16:13	3 77-47-4	
Hexachloroethane	ND ug/L	1.1	1	05/24/10 09 15	05/24/10 16:13	67-72-1	
Indeno(1,2,3-cd)pyrene	ND ug/L	1.1	1	05/24/10 09.15	05/24/10 16.13	3 193-39-5	
Isophorone	ND ug/L	11	1	05/24/10 09 15	05/24/10 16 13	3 78-59-1	
N-Nitroso-di-n-propylamine	ND ug/L	1.1	1	05/24/10 09 15	05/24/10 16 13	8 621-64-7	
N-Nitrosodimethylamıne	ND ug/L	1.1	1	05/24/10 09.15	05/24/10 16.13	62-75-9	
N-Nitrosodiphenylamıne	ND ug/L	1.1	1	05/24/10 09.15	05/24/10 16.13	86-30-6	
Naphthalene	ND ug/L	1.1	1	05/24/10 09 15	05/24/10 16 13	3 91-20-3	
Nitrobenzene	ND ug/L	1.1	1	05/24/10 09 15	05/24/10 16 13	3 9 8-9 5-3	
Pentachlorophenol	ND ug/L	2.8	1	05/24/10 09.15	05/24/10 16:13	87-86-5	
Phenanthrene	ND ug/L	1.1	1	05/24/10 09:15	05/24/10 16:13	85-01-8	
Pheno!	ND ug/L	1.1	1	05/24/10 09:15	05/24/10 16:13	3 108-95-2	
Pyrene	ND ug/L	1.1	1	05/24/10 09 15			
bis(2-Chloroethoxy)methane	ND ug/L	1.1	1	05/24/10 09.15	05/24/10 16.13	3 111-91-1	
bis(2-Chloroethyl) ether	ND ug/L	1.1	1	05/24/10 09.15	05/24/10 16.13	3 111-44-4	
bis(2-Chloroisopropyl) ether	ND ug/L	1.1	1	05/24/10 09:15	05/24/10 16:13	3 108-60-1	
bis(2-Ethylhexyl)phthalate	ND ug/L	1.1	1	05/24/10 09 15	05/24/10 16:13	3 117-81-7	
Nitrobenzene-d5 (S)	44 %	35-114	1	05/24/10 09 15	05/24/10 16:13	3 4165-60-0	
2-Fluorobiphenyl (S)	49 %	43-116	1	05/24/10 09.15	05/24/10 16.13	3 321-60-8	
Terphenyl-d14 (S)	75 %	33-141	1	05/24/10 09.15	05/24/10 16.13	3 1718-51-0	
Phenol-d6 (S)	20 %	10-110	1	05/24/10 09:15	05/24/10 16:13	3 13127-88-3	
2-Fluorophenol (S)	32 %	21-110	1	05/24/10 09:15	05/24/10 16:13	3 367-12-4	
2,4,6-Tribromophenol (S)	56 %	10-123	1		05/24/10 16:13		
8260 MSV	Analytical Method El	PA 8260					
1,1,1-Trichloroethane	ND ug/L	1.0	1		05/24/10 19:00	71-55-6	
1,1,2,2-Tetrachloroethane	ND ug/L	1.0	1		05/24/10 19.00	79-34-5	
1,1,2-Trichloroethane	ND ug/L	1.0	1		05/24/10 19:00	79-00-5	
1,1-Dichloroethane	ND ug/L	1.0	1		05/24/10 19:00	75-34-3	
1,1-Dichloroethene	ND ug/L	1.0	1		05/24/10 19:0	0 75-35-4	
1,2,4-Trichlorobenzene	ND ug/L	1.0	1		05/24/10 19:00	0 120-82-1	
1,2,4-Trimethylbenzene	ND ug/L	1.0	1		05/24/10 19:00	0 95-63-6	
1,2-Dichlorobenzene	ND ug/L	1.0	1		05/24/10 19:00		
1,2-Dichloroethane	ND ug/L	1.0	1		05/24/10 19:00	0 107-06-2	
1,2-Dichloroethene (Total)	ND ug/L	2.0	1		05/24/10 19:0	0 540-59-0	
1,2-Dichloropropane	ND ug/L	1.0	1		05/24/10 19:0		
1,3,5-Trimelhylbenzene	ND ug/L	1.0	1		05/24/10 19:0		
1,3-Dichlorobenzene	ND ug/L	1.0	1		05/24/10 19:0		
1,4-Dichlorobenzene	ND ug/L	1.0	1		05/24/10 19.0		
2-Butanone (MEK)	ND ug/L	10.0	1		05/24/10 19.0		
2-Hexanone	ND ug/L	10.0	1		05/24/10 19.0		
4-Methyl-2-pentanone (MIBK)	ND ug/L	10.0	1		05/24/10 19.0		
Acetone	ND ug/L	10.0	1		05/24/10 19.0		
Benzene	ND ug/L	1.0	1		05/24/10 19 0		
Bromochloromethane	ND ug/L	1.0	1		05/24/10 19.0		
Bromodichloromethane	ND ug/L	1.0	1		05/24/10 19 0		
Bromoform	ND ug/L	1.0	1		05/24/10 19 0		

Date: 06/11/2010 05.14 PM

REPORT OF LABORATORY ANALYSIS

Page 14 of 58

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CABOT-EPA 007076



ANALYTICAL RESULTS

Project⁻

2H/4H

Pace Project No.: 3028135

Sample: MW-4	Lab ID: 3028135002	Collected: 05/20/10	14:00	Received: 05/21/10 13.15 Matrix: Water	
Parameters	Results Units	Report Limit	DF	Prepared Analyzed CAS No.	Qual
8260 MSV	Analytical Method: EPA 826	60			
Bromomethane	ND ug/L	1.0	1	05/24/10 19:00 74-83-9	
Carbon disulfide	ND ug/L	10	1	05/24/10 19:00 75-15-0	
Carbon tetrachloride	ND ug/L	1.0	1	05/24/10 19:00 56-23-5	
Chlorobenzene	ND ug/L	1.0	1	05/24/10 19.00 108-90-7	
Chloroethane	ND ug/L	1.0	1	05/24/10 19:00 75-00-3	
Chloroform	ND ug/L	1.0	1	05/24/10 19.00 67-66-3	
Chloromethane	ND ug/L	1.0	1	05/24/10 19:00 74-87-3	
Dibromochloromethane	ND ug/L	1.0	1	05/24/10 19.00 124-48-1	
Ethylbenzene	ND ug/L	1.0	1	05/24/10 19:00 100-41-4	
Isopropylbenzene (Cumene)	ND ug/L	1.0	1	05/24/10 19.00 98-82-8	
Methyl-tert-butyl ether	ND ug/L	1.0	1	05/24/10 19:00 1634-04-4	
Methylene Chloride	ND ug/L	1.0	1	05/24/10 19.00 75-09-2	
Naphthalene	ND ug/L	2.0	1	05/24/10 19:00 91-20-3	
Styrene	ND ug/L	1.0	1	05/24/10 19.00 100-42-5	
Tetrachloroethene	ND ug/L	1.0	1	05/24/10 19:00 127-18-4	
Toluene	ND ug/L	1.0	1	05/24/10 19.00 108-88-3	
Trichloroethene	ND ug/L	1.0	1	05/24/10 19:00 79-01-6	
Vinyl chloride	ND ug/L	1.0	1	05/24/10 19.00 75-01-4	
Xylene (Total)	ND ug/L	3.0	1	05/24/10 19:00 1330-20-7	
cis-1,2-Dichloroethene	ND ug/L	10	1	05/24/10 19.00 156-59-2	
cis-1,3-Dichloropropene	ND ug/L	1.0	1	05/24/10 19:00 10061-01-5	
m&p-Xylene	ND ug/L	20	1	05/24/10 19.00 179601-23-1	
n-Butylbenzene	ND ug/L	1.0	1	05/24/10 19.00 104-51-8	
n-Propylbenzene	ND ug/L	1.0	1	05/24/10 19.00 103-65-1	
o-Xylene	ND ug/L	1.0	1	05/24/10 19:00 95-47-6	
p-Isopropyltoluene	ND ug/L	1.0	1	05/24/10 19.00 99-87-6	
sec-Butylbenzene	ND ug/L	1.0	1	05/24/10 19:00 135-98-8	
trans-1,2-Dichloroethene	ND ug/L	1.0	1	05/24/10 19.00 156-60-5	
trans-1,3-Dichloropropene	ND ug/L	1.0	1	05/24/10 19:00 10061-02-6	
4-Bromofluorobenzene (S)	71 %	70-130	1	05/24/10 19.00 460-00-4	
1,2-Dichloroethane-d4 (S)	123 %	70-130	1	05/24/10 19:00 17060-07-0	
Toluene-d8 (S)	78 %	70-130	1	05/24/10 19.00 2037-26-5	
HEM, Oil and Grease	Analytical Method, EPA 16	64A			
Oil and Grease	ND mg/L	4.8	1	05/25/10 17:51	
1664 SGT-HEM, TPH	Analytical Method: EPA 16	64A			
Total Petroleum Hydrocarbons	ND mg/L	4.8	1	05/25/10 17:59	
2310B Acidity, Total	Analytical Method: SM 231	0B			
Acidity, Total	ND mg/L	10.0	1	05/24/10 21:00	
2320B Alkalinity	Analytical Method: SM 232	0В			
Alkalinity, Total as CaCO3	58.0 mg/L	10.0	1	05/24/10 19:20	

Date: 06/11/2010 05:14 PM

REPORT OF LABORATORY ANALYSIS

Page 15 of 58

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CABOT-EPA 007077



ANALYTICAL RESULTS

Project:

2H/4H

Pace Project No. 3028135

Sample: MW-4	Lab ID: 3028135002	Collected. 05/20/1	0 14:00	Received 05/21/10 13:15	Matrix Water	
Parameters	Results Units	Report Limit	DF	Prepared Analyze	d CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540	С				
Total Dissolved Solids	50.0 mg/L	10 0	1	05/25/10 1	7:30	
4500H+ pH, Electrometric	Analytical Method SM 4500	-H+B				
pH at 25 Degrees C	6.6 Std. Units	10	1	05/21/10 2	15	H6
5540C MBAS Surfactants	Analytical Method, SM 5540	С				
Surfactants	ND mg/L	0.10	1	05/21/10 2	1:00	
350.1 Ammonia, Distilled	Analytical Method: EPA 350.	.1				
Ammonia, Distilled	ND mg/L	0.10	1	05/26/10 1	2:47	
4500 Chloride	Analytical Method SM 4500	-CI-E				
Chloride	6.6 mg/L	30	1	05/25/10 1	1:07 16887-00-6	

Date. 06/11/2010 05:14 PM

REPORT OF LABORATORY ANALYSIS

Page 16 of 58

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CABOT-EPA 007078





ANALYTICAL RESULTS

Project:

Pace Project No.: 3028135

2H/4H

Sample: MW-1	Lab ID: 302813500	3 Collected: 05/20/	0 15:45	Received: 05	/21/10 13:15	Matrix: Water	
Parameters	Results Ur	its Report Limit	DF	Prepared	Analyzed	CAS No	Qua
8015 GCS THC-Diesel	Analytical Method: El	A 8015B Modified Prepa	ration M	lethod: EPA 3510			
Diesel Components	0.14 mg/L	0.11	1	05/24/10 09:15	05/26/10 11:2	0	
o-Terphenyl (S)	86 %	50-150	1	05/24/10 09:15	05/26/10 11:2	0 84-15-1	
Gasoline Range Organics	Analytical Method: El	PA 5030/8015 Mod.					
TPH (C06-C10)	ND ug/L	200	1		05/24/10 16:4	9	
4-Bromofluorobenzene (S)	90 %	70-130	1		05/24/10 16:4	9 460-00-4	
6010 MET ICP	Analytical Method: El	PA 6010B Preparation Me	ethod. E	PA 3005			
Aluminum	2510 ug/L	50.0	1	05/24/10 14.50	05/26/10 09:2	20 7429-90-5	
Antimony	ND ug/L	5.0	1	05/24/10 14:50	05/26/10 09 2	0 7440-36-0	
Arsenic	5.3 ug/L	5.0	1	05/24/10 14:50	05/26/10 09·2	20 7440-38-2	
Barium	143 ug/L	10.0	1	05/24/10 14:50	05/26/10 09:2	20 7440-39-3	
Beryllium	ND ug/L	1.0	1	05/24/10 14:50	05/26/10 09.2	20 7440-41-7	
Boron	ND ug/L	50.0	1	05/24/10 14:50	05/26/10 09:2	20 7440-42-8	
Cadmium	ND ug/L	1.0	1	05/24/10 14:50	05/26/10 09:2	20 7440-43-9	
Calcium	37200 ug/L	1000	1	05/24/10 14:50	05/26/10 09 2	20 74 40-70- 2	
Chromium	ND ug/L	5.0	1	05/24/10 14:50	05/26/10 09:2	20 7440-47-3	
Cobalt	ND ug/L	5.0	1	05/24/10 14.50	05/26/10 09.2	20 7440-48-4	
Copper	ND ug/L	5.0	1	05/24/10 14:50	05/26/10 09.2	20 7440-50-8	
Iron	3010 ug/L	50 0	1	05/24/10 14:50	05/26/10 09:2	20 7439-89-6	
Lead	2.4 ug/L	2.0	1	05/24/10 14.50	05/26/10 09.2	20 7439-92-1	
Magnesium	7950 ug/L	200	1	05/24/10 14:50	05/26/10 09 ⁻²	20 7439-95-4	
Manganese	125 ug/L	50	1	05/24/10 14:50	05/26/10 09:2	20 7439-96-5	
Molybdenum	ND ug/L	20.0	1	05/24/10 14.50	05/26/10 09 2	20 7439-98-7	
Nickel	ND ug/L	10.0	1	05/24/10 14:50	05/26/10 09:2	20 7440-02-0	
Potassium	2680 ug/L	500	1	05/24/10 14.50	05/26/10 09.2	20 7440-09-7	
Selenium	ND ug/L	5.0	1	05/24/10 14:50	05/26/10 09:2	20 7782-49-2	
Silver	ND ug/L	1.0	1	05/24/10 14:50	05/26/10 09:2	20 7440-22-4	
Sodium	6370 ug/L	1000	1	05/24/10 14 50	05/26/10 09.2	20 7440-23-5	
Thallium	ND ug/L	10.0	1	05/24/10 14:50	05/26/10 09:2	20 7440-28-0	
Vanadium	ND ug/L	5.0	1	05/24/10 14:50	05/26/10 09:2	20 7440-62-2	
Zınc	10.3 ug/L	10.0	1	05/24/10 14:50	05/26/10 09.2	20 7440-66-6	
6010 MET ICP, Lab Filtered	Analytical Method: E	PA 6010 Preparation Me	hod: EF	A 3005			
Aluminum, Dissolved	ND ug/L	50.0	1	05/24/10 14:48	05/25/10 20:0	08 7429-90-5	
Antimony, Dissolved	ND ug/L	5.0	1	05/24/10 14:48			
Arsenic, Dissolved	ND ug/L	5.0	1	05/24/10 14:48			
Barium, Dissolved	86.4 ug/L	10.0	1	05/24/10 14:48			
Beryllium, Dissolved	ND ug/L	1.0	1	05/24/10 14:48			
Boron, Dissolved	ND ug/L	50.0	1	05/24/10 14:48			
Cadmium, Dissolved	ND ug/L	1.0	1	05/24/10 14:48			
Calcium, Dissolved	37800 ug/L	1000	1	05/24/10 14:48			
Chromium, Dissolved	ND ug/L	5.0	1	05/24/10 14:48			
Cobalt, Dissolved	ND ug/L	5.0	1	05/24/10 14:48			
Copper, Dissolved	ND ug/L	5.0	1	05/24/10 14:48			
ooppei, Dissolved	ND ug/L ND ug/L	50.0 50.0	1	05/24/10 14:48			

Date: 06/11/2010 05:14 PM

REPORT OF LABORATORY ANALYSIS

Page 17 of 58

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CABOT-EPA 007079



ANALYTICAL RESULTS

Project:

2H/4H

Pace Project No.: 3028135

Sample: MW-1	Lab ID: 30281350	03 Collected: 05/20/1	0 15 45	Received: 05	/21/10 13:15 N	latrix: Water	
Parameters	Results U	nits Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Lab Filtered	Analytical Method [,] E	PA 6010 Preparation Meti	nod EP/	A 3005			
Lead, Dissolved	ND ug/L	20	1	05/24/10 14 48	05/25/10 20 08	7439-92-1	
Magnesium, Dissolved	7260 ug/L	200	1	05/24/10 14:48	05/25/10 20 08	7439-95-4	
Manganese, Dissolved	82.0 ug/L	50	1	05/24/10 14·48	05/25/10 20 08	7439-96-5	
Molybdenum, Dissolved	ND ug/L	20 0	1	05/24/10 14 48	05/26/10 16.34	7439-98-7	
Nickel, Dissolved	ND ug/L	10 0	1	05/24/10 14.48	05/25/10 20.08	7440-02-0	
Potassium, Dissolved	1720 ug/L	500	1	05/24/10 14 48	05/25/10 20.08	7440-09-7	
Selenium, Dissolved	ND ug/L	50	1	05/24/10 14:48	05/25/10 20.08	7782-49-2	
Silver, Dissolved	ND ug/L	1.0	1	05/24/10 14:48	05/25/10 20:08	7440-22-4	
Sodium, Dissolved	6840 ug/L	1000	1	05/24/10 14:48	05/25/10 20:08	7440-23-5	
Thallium, Dissolved	ND ug/L	10 0	1	05/24/10 14:48	05/25/10 20:08	7440-28-0	
Vanadium, Dissolved	ND ug/L	5.0	1	05/24/10 14:48	05/25/10 20:08	7440-62-2	
Zinc, Dissolved	ND ug/L	10.0	1	05/24/10 14:48	05/25/10 20:08	7440-66-6	
7470 Mercury	Analytical Method: E	PA 7470 Preparation Met	nod: EP	A 7470			
Mercury	ND ug/L	0.20	1	05/24/10 15:16	05/25/10 11:37	7439-97-6	
7470 Mercury, Lab Filtered	Analytical Method: E	PA 7470 Preparation Met	nod. EP	A 7470			
Mercury, Dissolved	ND ug/L	0.20	1	05/24/10 15:14	05/25/10 11:32	7439-97-6	
8270 MSSV PAH by SIM	Analytical Method: E	PA 8270 by SIM Preparat	ion Met	nod: EPA 3510			
Acenaphthene	ND ug/L	2.8	1	05/24/10 09:15	05/24/10 22:24	83-32-9	
Acenaphthylene	ND ug/L	2.8	1	05/24/10 09.15	05/24/10 22:24	208-96-8	
Anthracene	ND ug/L	0.22	1	05/24/10 09.15	05/24/10 22:24	120-12-7	
Benzo(a)anthracene	ND ug/L	0.22	1	05/24/10 09:15	05/24/10 22:24	56-55-3	
Benzo(a)pyrene	ND ug/L	0.22	1	05/24/10 09 15	05/24/10 22:24	50-32-8	
Benzo(b)fluoranthene	ND ug/L	0.22	1		05/24/10 22:24		
Benzo(g,h,i)perylene	ND ug/L	0.22	1	05/24/10 09.15	05/24/10 22:24	191-24-2	
Benzo(k)fluoranthene	ND ug/L	0.22	1		05/24/10 22:24		
Chrysene	ND ug/L	0.22	1		05/24/10 22:24		
Dibenz(a,h)anthracene	ND ug/L	0.22	1		05/24/10 22:24		
Fluoranthene	ND ug/L	0.22	1		05/24/10 22:24		
Fluorene	ND ug/L	0.22	1		05/24/10 22:24		
Indeno(1,2,3-cd)pyrene	ND ug/L	0.22	1		05/24/10 22:24		
Naphthalene	ND ug/L	1.1	1		05/24/10 22:24		
Phenanthrene	ND ug/L	0 22	1	05/24/10 09:15	05/24/10 22:24	85-01-8	
Pyrene	ND ug/L	0.22	1		05/24/10 22:24		
Nitrobenzene-d5 (S)	81 %	35-114	1		05/24/10 22:24		
2-Fluorobiphenyl (S)	78 %	43-116	1		05/24/10 22:24		
Terphenyl-d14 (S)	79 %	33-141	1	05/24/10 09:15	05/24/10 22:24	1718-51-0	
8270 MSSV Semivolatile Organic	Analytical Method. E	PA 8270 Preparation Met	hod: EP	A 3510			
1,2,4-Trichlorobenzene	ND ug/L	1.1	1	05/24/10 09:15	05/24/10 16:35	120-82-1	
1,2-Dichlorobenzene	ND ug/L	1.1	1	05/24/10 09:15	05/24/10 16:35	95-50-1	
1,3-Dichlorobenzene	ND ug/L	1.1	1	05/24/10 09:15	05/24/10 16.35	541-73-1	
1,4-Dichlorobenzene	ND ug/L	11	1	05/24/10 09:15	05/24/10 16.35	106-46-7	
1-Methylnaphthalene	ND ug/L	1.1	1	05/24/10 09:15	05/24/10 16:35	90-12-0	

Date: 06/11/2010 05 14 PM

REPORT OF LABORATORY ANALYSIS

Page 18 of 58

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CABOT-EPA 007080



ANALYTICAL RESULTS

Project:

2H/4H

Pace Project No · 3028135

				10 15:4	5 Received: 05		/latrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qua
3270 MSSV Semivolatile Organic	Analytical Method	: EPA 82	70 Preparation Met	hod: EF	A 3510			
2,4,5-Trichlorophenol	ND ug/L		28	1	05/24/10 09 15	05/24/10 16·35	95-95-4	
2,4,6-Trichlorophenol	ND ug/L		1.1	1		05/24/10 16:35		
2,4-Dichlorophenol	ND ug/L		1.1	1	05/24/10 09:15	05/24/10 16:35	120-83-2	
2,4-Dimethylphenol	ND ug/L		1.1	1	05/24/10 09:15	05/24/10 16:35	105-67-9	
2,4-Dınitrophenol	ND ug/L		2.8	1	05/24/10 09:15	05/24/10 16:35	51-28-5	
2,4-Dinitrotoluene	ND ug/L		1,1	1	05/24/10 09.15	05/24/10 16:35	121-14-2	
2,6-Dinitrotoluene	ND ug/L		1.1	1	05/24/10 09:15	05/24/10 16:35	606-20-2	
2-Chloronaphthalene	ND ug/L		1.1	1	05/24/10 09.15	05/24/10 16:35	91-58-7	
2-Chlorophenol	ND ug/L		1.1	1	05/24/10 09:15	05/24/10 16:35	95-57-8	
2-Methylnaphthalene	ND ug/L		1.1	1	05/24/10 09:15	05/24/10 16:35	91-57-6	
2-Methylphenol(o-Cresol)	ND ug/L		11	1		05/24/10 16:35		
2-Nitroaniline	ND ug/L		2.8	1		05/24/10 16.35		
2-Nitrophenol	ND ug/L		1.1	1		05/24/10 16:35		
3&4-Methylphenol(m&p Cresol)	ND ug/L		2.2	1		05/24/10 16:35		
3,3'-Dichlorobenzidine	ND ug/L		1.1	1		05/24/10 16:35		
3-Nitroaniline	ND ug/L		2.8	1		05/24/10 16:35		
4,6-Dinitro-2-methylphenol	ND ug/L		2.8	1		05/24/10 16.35		
4-Bromophenylphenyl ether	ND ug/L		1.1	1		05/24/10 16:35		
4-Chloro-3-methylphenol	ND ug/L		1.1	1		05/24/10 16:35		
4-Chloroaniline	ND ug/L		1.1	1		05/24/10 16:35		
4-Chlorophenylphenyl ether	ND ug/L		1.1	1		05/24/10 16:35		
4-Nitroaniline	ND ug/L		2.8	1		05/24/10 16 35		
4-Nitrophenol	ND ug/L		1.1	1		05/24/10 16:35		
Acenaphthene	ND ug/L		1.1	1		05/24/10 16:35		
Acenaphthylene	ND ug/L		1.1	1		05/24/10 16:35		
Anthracene	ND ug/L		1.1	1		05/24/10 16:35		
Azobenzene	ND ug/L		1.1	1		05/24/10 16:35		
Benzo(a)anthracene	ND ug/L		1.1	1		05/24/10 16:35		
Benzo(a)pyrene	ND ug/L		1.1	1		05/24/10 16:35		
Benzo(b)fluoranthene	ND ug/L		1.1	1		05/24/10 16:35		
Benzo(g,h,ı)perylene	ND ug/L		1.1	1		05/24/10 16:35		
Benzo(k)fluoranthene	ND ug/L		1.1	1		05/24/10 16:35		
Benzoic acid	ND ug/L		112	1		05/24/10 16:35		
Benzyl alcohol	ND ug/L		1.1	1		05/24/10 16:35		
Butylbenzylphthalate	ND ug/L		1.1	1		05/24/10 16:35		
Carbazole	ND ug/L		1.1	1		05/24/10 16:35		
Chrysene	ND ug/L		1,1	1		05/24/10 16:35		
Di-n-butylphthalate	ND ug/L		1.1	1		05/24/10 16:35		
Di-n-octylphthalate	ND ug/L		1.1	1		05/24/10 16:35		
Dibenz(a,h)anthracene	ND ug/L		1.1	1		05/24/10 16:35		
Dibenzofuran	ND ug/L		1.1	1		05/24/10 16:35		
Diethylphthalate	ND ug/L		1.1	1		05/24/10 16:35		
Dimethylphthalate	ND ug/L		1.1	1				
Fluoranthene	ND ug/L		1.1	1		05/24/10 16:35		
Fluorene	ND ug/L					05/24/10 16:35		
	ND ug/L		1.1 1.1	1		05/24/10 16:35 05/24/10 16:35		
Hexachloro-1,3-butadiene								

Date: 06/11/2010 05:14 PM

REPORT OF LABORATORY ANALYSIS

Page 19 of 58

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CABOT-EPA 007081



ANALYTICAL RESULTS

Project:

2H/4H

Pace Project No 3028135

Date: 06/11/2010 05.14 PM

Sample: MW-1	Lab ID: 3028	3135003	Collected: 05/20/	10 15.45	Received. 05	/21/10 13 15 N	latrıx: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Meth	od. EPA 82	270 Preparation Met	hod. EP	A 3510			
Hexachlorocyclopentadiene	ND ug/	L	1.1	1	05/24/10 09:15	05/24/10 16:35	77-47-4	
Hexachloroethane	ND ug/	L.	1.1	1	05/24/10 09:15	05/24/10 16:35	67-72-1	
Indeno(1,2,3-cd)pyrene	ND ug/	L	1.1	1	05/24/10 09:15	05/24/10 16:35	193-39-5	
Isophorone	ND ug/	L_	1.1	1	05/24/10 09:15	05/24/10 16:35	78-59-1	
N-Nitroso-di-n-propylamine	ND ug/	L	1.1	1	05/24/10 09:15	05/24/10 16:35	621-64-7	
N-Nitrosodimethylamine	ND ug/	′L	1.1	1	05/24/10 09.15	05/24/10 16:35	62-75-9	
N-Nitrosodiphenylamine	ND ug/	′L	1.1	1	05/24/10 09.15	05/24/10 16:35	86-30-6	
Naphthalene	ND ug/	/L	1.1	1	05/24/10 09.15	05/24/10 16:35	91-20-3	
Nitrobenzene	ND ug/	/L	11	1	05/24/10 09·15	05/24/10 16:35	98-95-3	
Pentachlorophenol	ND ug/	/L	2.8	1	05/24/10 09 15	05/24/10 16:35	87-86-5	
Phenanthrene	ND ug/	/L	1.1	1	05/24/10 09 15	05/24/10 16:35	85-01-8	
Phenoi	ND ug	/L	1.1	1	05/24/10 09.15	05/24/10 16:35	108-95-2	
Pyrene	ND ug/	/L	1.1	1	05/24/10 09.15	05/24/10 16:35	129-00-0	
bis(2-Chloroethoxy)methane	ND ug/	/L	1.1	1	05/24/10 09 15	05/24/10 16:35	111-91-1	
bis(2-Chloroethyl) ether	ND ug/	/L	1.1	1	05/24/10 09.15	05/24/10 16:35	111-44-4	
bis(2-Chloroisopropyl) ether	ND ug/		1.1	1	05/24/10 09:15	05/24/10 16:35	108-60-1	
bis(2-Ethylhexyl)phthalate	ND ug	/L	1.1	1	05/24/10 09:15	05/24/10 16:35	117-81-7	
Nitrobenzene-d5 (S)	63 %		35-114	1	05/24/10 09:15	05/24/10 16.35	4165-60-0	
2-Fluorobiphenyl (S)	69 %		43-116	1	05/24/10 09:15	05/24/10 16 35	321-60-8	
Terphenyl-d14 (S)	97 %		33-141	1	05/24/10 09:15	05/24/10 16.35	1718-51-0	
Phenol-d6 (S)	27 %		10-110	1	05/24/10 09:15	05/24/10 16.35	13127-88-3	
2-Fluorophenol (S)	41 %		21-110	1	05/24/10 09:15	05/24/10 16.35	367-12-4	
2,4,6-Tribromophenol (S)	78 %		10-123	1	05/24/10 09:15	05/24/10 16:35	118-79-6	
8260 MSV	Analytical Meth	nod. EPA 8	260					
1,1,1-Trichloroethane	ND ug	/L	1.0	1		05/24/10 19:26	71-55-6	
1,1,2,2-Tetrachloroethane	ND ug	/L	1.0	1		05/24/10 19:26	79-34-5	
1,1,2-Trichloroethane	ND ug	/L	1.0	1		05/24/10 19:26	79-00-5	
1,1-Dichloroethane	ND ug	/L	1.0	1		05/24/10 19:26	75-34-3	
1,1-Dichloroethene	ND ug	/L	1.0	1		05/24/10 19:26	75-35-4	
1,2,4-Trichlorobenzene	ND ug	/L	1.0	1		05/24/10 19:26	120-82-1	
1,2,4-Trimethylbenzene	ND ug	/L	1.0	1		05/24/10 19:26	95-63-6	
1,2-Dichlorobenzene	ND ug	/L	1.0	1		05/24/10 19:26	95-50-1	
1,2-Dichloroethane	ND ug		1.0	1		05/24/10 19:26	107-06-2	
1,2-Dichloroethene (Total)	ND ug	/L	2.0	1		05/24/10 19:26	540-59-0	
1,2-Dichloropropane	ND ug	/L	1.0	1		05/24/10 19.26	78-87-5	
1,3,5-Trimethylbenzene	ND ug	/L	1.0	1		05/24/10 19:26	108-67-8	
1,3-Dichlorobenzene	ND ug	/L	10	1		05/24/10 19:26	541-73-1	
1,4-Dichlorobenzene	ND ug	/L	1.0	1		05/24/10 19 26	106-46-7	
2-Butanone (MEK)	ND ug		10.0	1		05/24/10 19.26	78-93-3	
2-Hexanone	ND ug		10.0	1		05/24/10 19.26	591-78-6	
4-Methyl-2-pentanone (MIBK)	ND ug		10.0	1		05/24/10 19:26		
Acetone	ND ug		10.0	1		05/24/10 19.26	67-64-1	
Benzene	ND ug		1.0	1		05/24/10 19:26	71-43-2	
Bromochloromethane	ND ug		1.0			05/24/10 19.26		
Bromodichloromethane	ND ug		1.0			05/24/10 19.26		
Bromoform	ND ug		1.0			05/24/10 19:26		

REPORT OF LABORATORY ANALYSIS

Page 20 of 58

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CABOT-EPA 007082



ANALYTICAL RESULTS

Project:

2H/4H

Pace Project No.: 3028135

Sample: MW-1	Lab ID: 3028135003	Collected. 05/20/10	15:45	Received: 05	5/21/10 13:15 N	Matrix: Water	_
Parameters	Results Units	Report Limit [DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 82	60					
Bromomethane	ND ug/L	1.0	1		05/24/10 19 [.] 26	74-83-9	
Carbon disulfide	ND ug/L	1.0	1		05/24/10 19.26	75-15-0	
Carbon tetrachloride	ND ug/L	1.0	1		05/24/10 19:26	56-23-5	
Chlorobenzene	ND ug/L	1.0	1		05/24/10 19 26	108-90-7	
Chloroethane	ND ug/L	1.0	1		05/24/10 19:26	75-00-3	
Chloroform	ND ug/L	1.0	1		05/24/10 19:26	67-66-3	
Chloromethane	N D ug/L	1.0	1		05/24/10 19.26	74-87-3	
Dibromochloromethane	ND ug/L	1.0	1		05/24/10 19:26	124-48-1	
Ethylbenzene	ND ug/L	1.0	1		05/24/10 19 26		
isopropylbenzene (Cumene)	ND ug/L	1.0	1		05/24/10 19:26	98-82-8	
Methyl-tert-butyl ether	ND ug/L	1.0	1		05/24/10 19 ⁻ 26		
Methylene Chloride	ND ug/L	1.0	1		05/24/10 19.26		
Naphthalene	ND ug/L	2.0	1		05/24/10 19:26		
Styrene	ND ug/L	1.0	1		05/24/10 19 26		
Tetrachloroethene	ND ug/L	1.0	1		05/24/10 19:26		
Toluene	ND ug/L	1.0	1		05/24/10 19.26		
Trichloroethene	ND ug/L	1.0	1		05/24/10 19:26		
Vinyl chloride	ND ug/L	1.0	1		05/24/10 19:26		
Xylene (Total)	ND ug/L	30	1		05/24/10 19.26		
cis-1,2-Dichloroethene	ND ug/L	1.0	1		05/24/10 19:26		
cis-1,3-Dichloropropene	ND ug/L	1.0	1		05/24/10 19:26		
m&p-Xylene	ND ug/L	2.0	1		05/24/10 19:26		
n-Butylbenzene	ND ug/L	1.0	1		05/24/10 19.26		
n-Propylbenzene	ND ug/L	1.0	1		05/24/10 19:26		
o-Xylene	ND ug/L	1.0	1		05/24/10 19:26		
p-Isopropyltoluene	ND ug/L	1.0	1		05/24/10 19 26		
sec-Butylbenzene	ND ug/L	1.0	1		05/24/10 19:26		
trans-1,2-Dichloroethene	ND ug/L	1.0	1		05/24/10 19:26		
trans-1,3-Dichloropropene	ND ug/L	1.0	1		05/24/10 19:26		
4-Bromofluorobenzene (S)	67 %	70-130	1		05/24/10 19:26		
1,2-Dichloroethane-d4 (S) Toluene-d8 (S)	119 % 77 %	70-130 70-130	1		05/24/10 19.26 05/24/10 19:26		
HEM, Oil and Grease	Analytical Method: EPA 16		'		03/24/10 13.20	2001-20-0	
Oil and Grease	ND mg/L	4.8	1		05/25/10 17:51		
1664 SGT-HEM, TPH	Analytical Method: EPA 16		•		30/20/10 17:31		
Total Petroleum Hydrocarbons	ND mg/L	4.8	1		05/25/10 17:59	1	
2310B Acidity, Total	Analytical Method: SM 23		•		33/20/10 17:00	•	
Acidity, Total	ND mg/L	10.0	1		05/24/10 21:00	١	
2320B Alkalinity	Analytical Method: SM 23		1		55/27/ 10 21.00	•	
·	·		_		05/04/40 40 00		
Alkalinity, Total as CaCO3	88.0 mg/L	10.0	1		05/24/10 19:20)	

Date. 06/11/2010 05:14 PM

REPORT OF LABORATORY ANALYSIS

Page 21 of 58

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CABOT-EPA 007083



ANALYTICAL RESULTS

Project

Pace Project No: 3028135

2H/4H

Sample: MW-1	Lab ID: 3028135003 Collect	cted. 05/20/1	0 15:45	Received: 05/21/10 13	15 Matrix. Water	
Parameters	Results Units R	Report Limit	DF	Prepared Analyz	ed CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C					
Total Dissolved Solids	138 mg/L	10 0	1	05/25/10	17:30	
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B					
pH at 25 Degrees C	7.0 Std. Units	1.0	1	05/21/10	20:15	H6
5540C MBAS Surfactants	Analytical Method. SM 5540C					
Surfactants	0.11 mg/L	0.10	1	05/21/10	21:00	
350.1 Ammonia, Distilled	Analytical Method EPA 350.1					
Ammonia, Distilled	0.16 mg/L	0 10	1	05/26/10	12.48	
4500 Chloride	Analytical Method: SM 4500-CI-E					
Chloride	11.6 mg/L	3.0	1	05/25/10	11:08 16887-00-6	

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REPORT OF LABORATORY ANALYSIS

Page 22 of 58

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CABOT-EPA 007084



ANALYTICAL RESULTS

Project

2H/4H

Pace Project No.:

Sample: TRIP BLANK	Lab ID: 3028135004	Collected.		Received 05	5/21/10 13:15 I	Matrix. Water	
Parameters	Results Unit	Report Limit	DF	Prepared	Analyzed	CAS No.	Qua
Gasoline Range Organics	Analytical Method: EPA	5030/8015 Mod.					
TPH (C06-C10)	ND ug/L	200	1		05/24/10 17:06	3	
4-Bromofluorobenzene (S)	99 %	70-130	1		05/24/10 17:06	460-00-4	
8260 MSV	Analytical Method: EPA	8260					
1,1,1-Trichloroethane	ND ug/L	1.0	1		05/24/10 19:52	2 71-55-6	
1,1,2,2-Tetrachloroethane	ND ug/L	1.0	1		05/24/10 19 52	2 79-34-5	
1,1,2-Trichloroethane	ND ug/L	1.0	1		05/24/10 19:52	2 79-00-5	
1,1-Dichloroethane	ND ug/L	1.0	1		05/24/10 19:52	2 75-34-3	
1,1-Dichloroethene	ND ug/L	1.0	1		05/24/10 19:52	2 75-35-4	
1,2,4-Trichlorobenzene	ND ug/L	1.0	1		05/24/10 19:52	2 120-82-1	
1,2,4-Trimethylbenzene	ND ug/L	1.0	1		05/24/10 19.52	2 95-63-6	
1,2-Dichlorobenzene	ND ug/L	1.0	1		05/24/10 19:52	2 95-50-1	
1,2-Dichloroethane	ND ug/L	1.0	1		05/24/10 19 52	2 107-06-2	
1,2-Dichloroethene (Total)	ND ug/L	2.0	1		05/24/10 19:52	2 540-59-0	
1,2-Dichloropropane	ND ug/L	1.0	1		05/24/10 19:52	2 7 8-87-5	
1,3,5-Trimethylbenzene	ND ug/L	1.0	1		05/24/10 19.52	2 108-67-8	
1,3-Dichlorobenzene	ND ug/L	1.0	1		05/24/10 19:52	2 541-73-1	
1,4-Dichlorobenzene	ND ug/L	1.0	1		05/24/10 19.5	2 106-46-7	
2-Butanone (MEK)	ND ug/L	10.0	1		05/24/10 19:52	2 78-93-3	
2-Hexanone	ND ug/L	10.0	1		05/24/10 19:53		
4-Methyl-2-pentanone (MIBK)	ND ug/L	10.0	1		05/24/10 19:53	2 108-10-1	
Acetone	ND ug/L	10.0	1		05/24/10 19:5:		
Benzene	ND ug/L	1.0	1		05/24/10 19 5	2 71-43-2	
Bromochloromethane	ND ug/L	1.0	1		05/24/10 19:5		
Bromodichloromethane	ND ug/L	1.0	1		05/24/10 19 5		
Bromoform	ND ug/L	1.0	1		05/24/10 19.5		
Bromomethane	ND ug/L	1.0	1		05/24/10 19:5	2 74-83-9	
Carbon disulfide	ND ug/L	1.0	1		05/24/10 19:5		
Carbon tetrachloride	ND ug/L	1.0	1		05/24/10 19.5		
Chlorobenzene	ND ug/L	1.0	1		05/24/10 19:5		
Chloroethane	ND ug/L	1.0	1		05/24/10 19.5	2 75-00-3	
Chloroform	ND ug/L	1.0	1		05/24/10 19:5		
Chloromethane	ND ug/L	1.0	1		05/24/10 19.5		
Dibromochloromethane	ND ug/L	1.0	1		05/24/10 19.5		
Ethylbenzene	ND ug/L	1.0	1		05/24/10 19:5		
Isopropylbenzene (Cumene)	ND ug/L	1.0	1		05/24/10 19:5		
Methyl-tert-butyl ether	ND ug/L	1.0	1		05/24/10 19.5		
Methylene Chloride	ND ug/L	1.0	1		05/24/10 19:5		
Naphthalene	ND ug/L	2.0	1		05/24/10 19.5		
Styrene	ND ug/L	1.0	1		05/24/10 19.5		
Tetrachloroethene	ND ug/L	1.0	1		05/24/10 19:5		
Toluene	ND ug/L	1.0	1		05/24/10 19.5		
Trichloroethene	ND ug/L	1.0	1		05/24/10 19:5		
Vinyl chloride	ND ug/L	1.0	1		05/24/10 19:5		
Xylene (Total)	ND ug/L ND ug/L	3.0	1		05/24/10 19:5		
cis-1,2-Dichloroethene	ND ug/L ND ug/L	1.0	1		05/24/10 19.5		
cis-1,2-Dichloropemene	ND ug/L	1.0	1			2 100-08-2	

cis-1,3-Dichloropropene

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REPORT OF LABORATORY ANALYSIS

Page 23 of 58

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ND ug/L



CABOT-EPA 007085

05/24/10 19:52 10061-01-5



Pace Analytical Services, Inc.

1638 Roseytown Road - Suites 2,3,4 Greensburg, PA 15601

(724)850-5600

ANALYTICAL RESULTS

Project.

2H/4H

Pace Project No.: 3028135

Sample: TRIP BLANK	Lab ID: 3028	135004	Collected	Received: 05/21/10 13:15 Matrix. Water					
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
8260 MSV	Analytical Metho	od: EPA 826	0						
m&p-Xylene	ND ug/l	L	2.0	1		05/24/10 19:52	179601-23-1		
n-Butylbenzene	ND ug/l	L	1.0	1		05/24/10 19 52	104-51-8		
n-Propylbenzene	ND ug/l	L	1.0	1		05/24/10 19 52	103-65-1		
o-Xylene	ND ug/l	L.	1.0	1		05/24/10 19 52	95-47-6		
p-Isopropyltoluene	ND ug/l	Ļ	1.0	1		05/24/10 19.52	99-87-6		
sec-Butylbenzene	ND ug/l	L	1 0	1		05/24/10 19:52	135-98-8		
trans-1,2-Dichloroethene	ND ug/l	L	1.0	1		05/24/10 19:52	156-60-5		
trans-1,3-Dichloropropene	ND ug/l	L	1.0	1		05/24/10 19:52	10061-02-6		
4-Bromofluorobenzene (S)	69 %		70-130	1		05/24/10 19.52	460-00-4		
1,2-Dichloroethane-d4 (S)	128 %		70-130	1		05/24/10 19 52	17060-07-0		
Toluene-d8 (S)	76 %		70-130	1		05/24/10 19.52	2037-26-5		

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REPORT OF LABORATORY ANALYSIS

Page 24 of 58

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CABOT-EPA 007086



QUALITY CONTROL DATA

Project.

2H/4H

3028135

Pace Project No:

QC Batch OEXT/4955 Analysis Method:

EPA 8015B Modified

QC Batch Method.

EPA 3510

Analysis Description:

8015 GCS

Associated Lab Samples: 3028135001, 3028135002, 3028135003

METHOD BLANK: 173784 Associated Lab Samples

3028135001, 3028135002, 3028135003

Blank

Reporting Limit

Analyzed Qualifiers

Diesel Components o-Terphenyl (S)

Units mg/L

Result

Spike

Conc.

ND 67

Matrix: Water

0.10 05/26/10 10.47 50-150 05/26/10 10:47

LABORATORY CONTROL SAMPLE:

Parameter

Parameter

173785

mg/L

%

Units

%

LCS

LCS % Rec

% Rec Limits

Qualifiers

Diesel Components o-Terphenyl (S)

Result 0.59

59 61 50-150

50-150

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REPORT OF LABORATORY ANALYSIS

Page 25 of 58

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CABOT-EPA 007087



(724)850-5600

QUALITY CONTROL DATA

Project:

2H/4H

Pace Project No.:

3028135

QC Batch:

GCV/1348

Analysis Method:

EPA 5030/8015 Mod

QC Batch Method:

EPA 5030/8015 Mod.

Analysis Description:

Gasoline Range Organics

Associated Lab Samples:

3028135001, 3028135002, 3028135003, 3028135004

METHOD BLANK: 173797

Matrix Water

Associated Lab Samples:

3028135001, 3028135002, 3028135003, 3028135004

Blank

Reporting

Result

Limit Analyzed

TPH (C06-C10)

4-Bromofluorobenzene (S)

ug/L

%

ND 87

200 05/24/10 12.35 70-130 05/24/10 12:35

LCS

LABORATORY CONTROL SAMPLE:

Parameter

Parameter

173798

Units

Spike Conc.

LCS Result % Rec

% Rec Limits

Qualifiers

TPH (C06-C10) 4-Bromofluorobenzene (S) ug/L %

Units

Units 500

503

101 85

70-130 70-130

Qualifiers

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:

173799

Conc.

MS MSD

173800

MSD

MSD

% Rec

RPD

Qual

Limits

70-130

TPH (C06-C10) 4-Bromofluorobenzene (S)

Parameter

ug/L %

3027504002 Result ND

Spike Spike Conc 500 500

MS Result 411

Result

% Rec 457 82

MS

87

% Rec

70-130

93

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Page 26 of 58

CABOT-EPA 007088



QUALITY CONTROL DATA

Project:

2H/4H

Pace Project No:

3028135

QC Batch: MPRP/3905 Analysis Method

EPA 6010B

QC Batch Method:

EPA 3005

LABORATORY CONTROL SAMPLE: 173969

Cobalt

Date: 06/11/2010 05:14 PM

Analysis Description:

6010 MET

Associated Lab Samples: 3028135001, 3028135002, 3028135003

METHOD BLANK: 173968

Matrix. Water

Associated Lab Samples: 3028135001, 3028135002, 3028135003

		Blank	Reporting		
Parameter	Units	Result	Lımit	Analyzed	Qualifiers
Aluminum	ug/L	ND	50.0	05/26/10 08:42	
Antimony	ug/L	ND	50	05/26/10 08.42	
Arsenic	u g/ L	ND	5.0	05/26/10 08:42	
Barium	u g/L	ND	10.0	05/26/10 08:42	
Beryllium	ug/L	ND	1.0	05/26/10 08 42	
Boron	ug/L	ND	50.0	05/26/10 08:42	
Cadmium	ug/L	ND	1.0	05/26/10 08 42	
Calcium	ug/L	ND	1000	05/26/10 08:42	
Chromium	ug/L	ND	50	05/26/10 08 42	
Cobalt	u g/L	ND	5.0	05/26/10 08:42	
Copper	ug/L	ND	5.0	05/26/10 08:42	
Iron	ug/L	ND	50.0	05/26/10 08:42	
Lead	ug/L	ND	2.0	05/26/10 08.42	
Magnesium	ug/L	ND	200	05/26/10 08:42	
Manganese	ug/L	ND	5.0	05/26/10 08:42	
Molybdenum	ug/L	ND	20.0	05/26/10 08 42	
Nickel	ug/L	ND	10 0	05/26/10 08:42	
Potassium	ug/L	ND	500	05/26/10 08:42	
Selenium	ug/L	ND	5.0	05/26/10 08:42	
Silver	ug/L	ND	10	05/26/10 08:42	
Sodium	ug/L	ND	1000	05/26/10 08:42	
Thallium	ug/L	ND	10.0	05/26/10 08:42	
Vanadium	ug/L	ND	5.0	05/26/10 08:42	
Zinc	ug/L	ND	10.0	05/26/10 08:42	

Parameter	Units	Conc.	Result	% Rec	Limits	Qualifiers
Aluminum	ug/L	5000	4720	94	80-120	
Antimony	ug/L	500	487	97	80-120	
Arsenic	ug/L	500	503	101	80-120	
Barium	ug/L	500	499	100	80-120	
Beryllium	ug/L	500	503	101	80-120	
Boron	ug/L	500	478	96	80-120	
Cadmium	ug/L	500	505	101	80-120	
Calcium	ug/L	5000	4750	95	80-120	
Chromium	ug/L	500	503	101	80-120	

500

Spike

Copper ug/L 500 500 Iron ug/L 5000 4800 Lead ug/L

ug/L

ug/L

Page 27 of 58 **REPORT OF LABORATORY ANALYSIS**

98

100

96

% Rec

80-120

80-120

80-120

80-120

LCS

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492

LCS



CABOT-EPA 007089



QUALITY CONTROL DATA

Project

2H/4H

Pace Project No.: 3028135

ABORATORY CONTROL SAM	PLE: 173969					
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Magnesium	ug/L	5000	4790	96	80-120	
Manganese	ug/L	500	502	100	80-120	
Nolybdenum	ug/L	500	498	100	80-120	
lickel	ug/L	500	502	100	80-120	
otassium	ug/L	5000	4580	92	80-120	
elenium	ug/L	500	464	93	80-120	
iver	ug/L	250	241	97	80-120	
odium	ug/L	5000	4550	91	80-120	
nallium	ug/L	500	492	98	80-120	
anadium	ug/L	500	496	99	80-120	
nc	ug/L	500	483	97	80-120	

			MS	MSD							
		028135002	Spike	Spike	MS	MSD		MSD	% Rec		
Parameter	Units	Result	Conc.	Conc.	Result	Result	% Rec	% Rec	Limits	RPD	Qua
Aluminum	ug/L	7390	5000	5000	12500	13900	103	130	75-125	10 M1	
Antimony	ug/L	ND	500	500	472	479	94	96	75-125	1	
Arsenic	ug/L	29.0	500	500	524	528	99	100	75-125	.7	
Barium	ug/L	76.0	500	500	570	581	99	101	75-125	2	
Beryllium	ug/L	ND	50 0	500	500	506	100	101	75-125	1	
Boron	ug/L	ND	500	500	515	508	99	98	75-125	2	
Cadmium	ug/L	ND	500	500	495	497	99	99	75-125	.5	
Calcium	ug/L	21600	5000	5000	27100	26900	110	107	75-125	.6	
Chromium	ug/L	27.7	500	500	520	530	99	101	75-125	2	
Cobalt	ug/L	94	500	500	492	499	96	98	75-125	1	
Copper	ug/L	11.7	500	500	510	515	100	101	75-125	1	
ron	ug/L	15300	5000	5000	18000	19900	54	92	75-125	10 M1	
_ead	ug/L	14.8	500	500	512	515	99	100	75-125	.6	
Magnesium	ug/L	5800	5000	5000	10600	11000	97	103	75-125	3	
Vianganese	ug/L	775	500	500	1270	1290	100	102	75-125	.8	
Molybdenum	ug/L	ND	500	500	502	499	100	100	75-125	.5	
Nickel	ug/L	26.6	500	500	518	523	98	99	75-125	1	
Potassium	ug/L	3840	5000	5000	8560	8940	94	102	75-125	4	
Selenium	ug/L	ПD	500	500	491	491	98	98	75-125	.1	
Silver	ug/L	ND	250	250	244	243	97	97	75-125	.2	
Sodium	ug/L	3370	5000	5000	8470	8580	102	104	75-125	1	
Thallium	ug/L	ND	500	500	479	482	96	96	75-125	.7	
V anadium	ug/L	10.3	500	500	498	507	97	99	75-125	2	
Zinc	ug/L	42.6	500	500	510	527	94	97	75-125	3	

MATRIX SPIKE SAMPLE 173974 3028051004 Spike MS MS % Rec Parameter Units Result Conc Result % Rec Limits Qualifiers 17.6U Aluminum ug/L 5000 4520 90 75-125

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REPORT OF LABORATORY ANALYSIS

Page 28 of 58

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CABOT-EPA 007090



QUALITY CONTROL DATA

Project:

2H/4H

Pace Project No.: 3028135

MATRIX SPIKE SAMPLE:	173974						
Desembles	Llasta	3028051004 Result	Spike Conc.	MS Booutt	MS % Rec	% Rec Limits	Qualifiers
Parameter	Units			Result			Qualifiers
Antimony	ug/L	4 2U	500	454	91	75-125	
Arsenic	u g/ L	3.6 U	500	468	93	75-125	
Barium	u g/L	12.3	500	461	90	75-125	
Beryllium	ug/L	0.55 U	500	441	88	75-125	
Boron	ug/L	5000	500	5020	4	75-125 1	W1
Cadmium	ug/L	0.46U	500	430	86	75-125	
Calcium	ug/L	317000	5000	291000	-510	75-125	M1
Chromium	ug/L	1.2U	500	440	88	75-125	
Cobalt	ug/L	0.85U	500	423	85	75-125	
Copper	ug/L	1 6U	500	457	91	75-125	
Iron	ug/L	31.0J	5000	4300	85	75-125	
Lead	ug/L	1 6U	500	449	90	75-125	
Magnesium	ug/L	86600	5000	83600	-59	75-125	M1
Manganese	ug/L	21.1	500	463	88	75-125	
Molybdenum	ug/L	25.7	500	477	90	75-125	
Nickel	ug/L	1.8U	500	428	86	75-125	
Potassium	ug/L	7700	5000	12600	97	75-125	
Selenium	ug/L	6.1	500	458	90	75-125	
Silver	ug/L	0.74 U	250	225	90	75-125	
Sodium	ug/L	61100	5000	62900	35	75-125	M1
Thallium	ug/L	6.4U	500	446	89	75-125	
Vanadium	ug/L	0 97U	500	444	89	75-125	
Zinc	ug/L	35.3	500	433	80	75-125	

SAMPLE DUPLICATE:	173970

Parameter	Units	3028135001 Result	Dup Result	RPD	Qualifiers
Aluminum	ug/L	13000	12500	4	
Antimony	ug/L	ND	ND		
Arsenic	ug/L	20.7	18. 0	14	
Barium	ug/L	152	147	3	
Beryllium	ug/L	ND	.82J		
Boron	ug/L	ND	23.1J		
Cadmium	ug/L	ND	ND		
Calcium	ug/L	25000	24400	2	
Chromium	ug/L	475	473	.5	
Cobalt	ug/L	13.8	13.0	6	
Copper	ug/L	24.0	23.9	.5	
Iron	ug/L	23000	22600	2	
Lead	u g/L	13.1	13.8	5	
Magnesium	u g/L	7310	7120	3	
Manganese	ug/L	682	666	2	
Molybdenum	ug/L	ND	12.5J		
Nickel	ug/L	256	254	.7	
Potassium	ug/L	4350	4140	5	
Selenium	ug/L	ND	ND		
Silver	ug/L	1.5	ND		

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REPORT OF LABORATORY ANALYSIS

Page 29 of 58

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CABOT-EPA 007091



QUALITY CONTROL DATA

Project:

2H/4H

Pace Project No.: 3028135

SAMPLE DUPLICATE: 173970

Parameter	Units	3028135001 Result	Dup Result	RPD	Qualifiers
Sodium	ug/L	5770	5370	7	
Thallium	ug/L	ND	ND		
Vanadium	ug/L	16 3	15.3	ε	3
Zinc	ug/L	70 2	68.3	3	3

SAMPLE DUPLICATE:	173973

Parameter	Units	3028051004 Result	Dup Result	RPD	Qualifiers
···					
Aluminum	ug/L	4.2U	18 3J		
Antimony	ug/L		ND		
Arsenic	ug/L	3.6U	ND		
Barium	ug/L	12.3	12.6	2	
Beryllium	ug/L	0.55U	ND		
Boron	ug/L	5000	5140	3	
Cadmium	ug/L	0.46U	ND		
Calcium	ug/L	317000	327000	3	
Chromium	ug/L	1 2U	ND		
Cobalt	ug/L	0.85U	ND		
Copper	ug/L	1.6U	ND		
Iron	ug/L	31.0J	46 1J		
Lead	ug/L	1.6U	ND		
Magnesium	ug/L	86600	89500	3	
Manganese	ug/L	21.1	22.4	6	
Molybdenum	ug/L	25 7	24.7	4	
Nickel	ug/L	1.8U	ND		
Potassium	ug/L	7700	7960	3	
Selenium	ug/L	61	5.8	5	
Silver	ug/L	0.74U	1.4		
Sodium	ug/L	61100	62600	2	
Thallium	ug/L	6.4U	ND	~	
Vanadium	ug/L	0.97U	ND		
Zinc	ug/L	35.3	36 6	4	

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REPORT OF LABORATORY ANALYSIS

Page 30 of 58

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CABOT-EPA 007092



QUALITY CONTROL DATA

Project:

QC Batch

2H/4H

Pace Project No.: 3028135

MPRP/3904

Analysis Method.

EPA 6010

QC Batch Method:

EPA 3005

Analysis Description.

6010 MET Dissolved

Associated Lab Samples: 3028135001, 3028135002, 3028135003

METHOD BLANK: 173955

Matrix: Water

Associated Lab Samples: 3028135001, 3028135002, 3028135003

		Blank	Reporting		
Parameter	Units	Result	Limit	Analyzed	Qualifiers
Aluminum, Dissolved	ug/L	ND	50 0	05/25/10 19:34	
Antimony, Dissolved	ug/L	ND	50	05/25/10 19.34	
Arsenic, Dissolved	ug/L	ND	5.0	05/25/10 19:34	
Barium, Dissolved	ug/L	ND	10.0	05/25/10 19.34	
Beryllium, Dissolved	ug/L	ND	1.0	05/25/10 19:34	
Boron, Dissolved	u g/L	ND	50 0	05/26/10 16.00	
Cadmium, Dissolved	ug/L	ND	1.0	05/25/10 19:34	
Calcium, Dissolved	ug/L	ND	1000	05/25/10 19.34	
Chromium, Dissolved	ug/L	ND	5.0	05/25/10 19:34	
Cobalt, Dissolved	ug/L	ND	5.0	05/25/10 19.34	
Copper, Dissolved	ug/L	ND	50	05/25/10 19:34	
Iron, Dissolved	ug/L	ND	50 0	05/25/10 19:34	
Lead, Dissolved	ug/L	ND	20	05/25/10 19:34	
Magnesium, Dissolved	ug/L	ND	200	05/25/10 19:34	
Manganese, Dissolved	ug/L	ND	5.0	05/25/10 19.34	
Molybdenum, Dissolved	ug/L	ND	20.0	05/26/10 16:00	
Nickel, Dissolved	ug/L	ND	10.0	05/25/10 19:34	
Potassium, Dissolved	ug/L	ND	500	05/25/10 19:34	
Selenium, Dissolved	ug/L	ND	5.0	05/25/10 19 34	
Silver, Dissolved	ug/L	ND	1.0	05/25/10 19:34	
Sodium, Dissolved	ug/L	ND	1000	05/25/10 19.34	
Thallium, Dissolved	ug/L	ND	10.0	05/25/10 19:34	
Vanadium, Dissolved	ug/L	ND	5.0	05/25/10 19:34	
Zinc, Dissolved	ug/L	ND	10.0	05/25/10 19.34	

LABORATORY CONTROL SAMPLE:	173956					
		Spike	LCS	LCS	% Rec	
Parameter	Units	Conc.	Result	% Rec	Limits	Qualifiers
Aluminum, Dissolved	ug/L	5000	4500	90	80-120	
Antimony, Dissolved	ug/L	500	470	94	80-120	
Arsenic, Dissolved	ug/L	500	458	92	80-120	
Barium, Dissolved	ug/L	500	437	87	80-120	
Beryllium, Dissolved	ug/L	500	506	101	80-120	
Boron, Dissolved	ug/L	500	516	103	80-120	
Cadmium, Dissolved	ug/L	500	462	92	80-120	
Calcium, Dissolved	ug/L	5000	4850	97	80-120	
Chromium, Dissolved	ug/L	500	487	97	80-120	
Cobalt, Dissolved	ug/L	500	463	93	80-120	
Copper, Dissolved	ug/L	500	443	89	80-120	
tron, Dissolved	ug/L	5000	4770	95	80-120	
Lead, Dissolved	ug/L	500	470	94	80-120	

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REPORT OF LABORATORY ANALYSIS

Page 31 of 58

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CABOT-EPA 007093



QUALITY CONTROL DATA

Project.

2H/4H

Pace Project No.: 3028135

ABORATORY CONTROL SAMPLE.	173956					<u></u>
		Spike	LCS	LCS	% Rec	
Parameter	Units	Conc.	Result	% Rec	Limits	Qualifiers
Magnesium, Dissolved	ug/L	5000	5160	103	80-120	
anganese, Dissolved	ug/L	500	472	94	80-120	
olybdenum, Dissolved	ug/L	500	463	93	80-120	
ckel, Dissolved	ug/L	500	467	93	80-120	
otassium, Dissolved	ug/L	5000	4480	90	80-120	
enium, Dissolved	ug/L	500	474	95	80-120	
ver, Dissolved	ug/L	250	250	100	80-120	
dium, Dissolved	ug/L	5000	4610	92	80-120	
allium, Dissolved	ug/L	500	459	92	80-120	
nadium, Dissolved	ug/L	500	468	94	80-120	
ic, Dissolved	ug/L	500	481	96	80-120	

	30	27969005 Spike		MSD Spike	MS	MSD	MS	MSD	% Rec		
Parameter	Units	Result	Conc.	Conc	Result	Result	% Rec	% Rec	Limits	RPD	Qua
Aluminum, Dissolved	ug/L	ND	5000	5000	4860	4810	96	95	75-125	1	
Antimony, Dissolved	ug/L	ND	500	500	476	474	95	95	75-125	.6	
Arsenic, Dissolved	ug/L	ND	500	500	496	493	99	99	75-125	.7	
Barium, Dissolved	ug/L	84 8	500	500	560	556	95	94	75-125	.6	
Beryllium, Dissolved	ug/L	ND	500	500	510	510	102	102	75-125	.1	
Boron, Dissolved	ug/L	51.8	500	500	614	613	112	112	75-125	.1	
Cadmium, Dissolved	ug/L	ND	500	500	488	484	98	97	75-125	.7	
Calcium, Dissolved	ug/L	67800	5000	5000	69900	69400	42	33	75-12 5	.6	MO
Chromium, Dissolved	u g/L	ND	500	500	486	480	97	96	75-125	1	
Cobalt, Dissolved	u g/L	ND	500	500	499	498	100	9 9	75-125	.3	
Copper, Dissolved	u g/L	ND	500	500	488	481	98	96	75-125	1	
ron, Dissolved	ug/L	ND	5000	5000	4700	4660	94	93	75-125	.9	
_ead, Dissolved	ug/L	ND	500	500	484	480	97	96	75-125	.9	
Magnesium, Dissolved	ug/L	8530	5000	5000	12400	12400	78	78	75-125	.08	
Manganese, Dissolved	ug/L	155	500	500	615	617	92	92	75-125	.3	
Molybdenum, Dissolved	ug/L	ND	500	500	526	524	104	104	75-125	.3	
Nickel, Dissolved	ug/L	ND	500	500	465	462	93	92	75-125	.6	
Potassium, Dissolved	ug/L	4480	5000	5000	9670	9590	104	102	75-125	.9	
Selenium, Dissolved	ug/L	ND	500	500	492	488	98	97	75-125	.9	
Silver, Dissolved	u g/L	ND	250	250	251	251	100	100	75-125	.2	
Sodium, Dissolved	ug/L	181000	5000	5000	187000	186000	128	116	75-125	.3	MO
Thallium, Dissolved	ug/L	ND	50 0	500	455	454	91	91	75-125	.4	
Vanadium, Dissolved	ug/L	ND	500	500	483	482	97	96	75-125	.3	
Zinc, Dissolved	ug/L	ND	50 0	500	482	478	95	94	75-125	.9	

MATRIX SPIKE SAMPLE: 173961 MS 3028051004 Spike MS % Rec Qualifiers % Rec Limits Parameter Units Result Conc. Result Aluminum, Dissolved 64.8 5000 4880 96 75-125 ug/L

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REPORT OF LABORATORY ANALYSIS

Page 32 of 58

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QUALITY CONTROL DATA

Project.

2H/4H

Pace Project No. 3028135

MATRIX SPIKE SAMPLE:	173961						
		3028051004	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc	Result	% Rec	Limits	Qualifiers
Antimony, Dissolved	ug/L	0 82U	500	483	97	75-125	
Arsenic, Dissolved	ug/L	1.0U	500	501	100	75-125	
Barium, Dissolved	ug/L	12 6	500	500	97	75-125	
Beryllium, Dissolved	ug/L	0. 060U	500	481	96	75-125	
Boron, Dissolved	ug/L	5880	500	6400	103	75-125	
Cadmium, Dissolved	ug/L	0. 0 90 U	500	491	98	75-125	
Calcium, Dissolved	ug/L	316000	5000	306000	-202	75-125 N	10
Chromium, Dissolved	ug/L	0.35U	500	462	92	75-125	
Cobalt, Dissolved	ug/L	0.20U	500	478	96	75-125	
Copper, Dissolved	ug/L	1. 2U	500	484	97	75-125	
Iron, Dissolved	ug/L	3.2U	5000	4350	87	75-125	
Lead, Dissolved	ug/L	0.70 U	500	458	92	75-125	
Magnesium, Dissolved	ug/L	84600	5000	81100	-70	75-125 N	10
Manganese, Dissolved	ug/L	60	500	446	88	75-125	
Molybdenum, Dissolved	ug/L	28 5	500	541	102	75-12 5	
Nickel, Dissolved	ug/L	0 13U	50 0	458	92	75-1 2 5	
Potassium, Dissolved	ug/L	6490	5000	12000	110	7 5-12 5	
Selenium, Dissolved	ug/L	0 80U	500	507	101	75-125	
Silver, Dissolved	ug/L	0.25U	250	244	98	75-125	
Sodium, Dissolved	ug/L	37000	5000	42400	107	75-125	
Thallium, Dissolved	ug/L	0.39U	500	434	87	75-125	
Vanadium, Dissolved	ug/L	0.72J	500	472	94	75-125	
Zinc, Dissolved	ug/L	44.0	500	491	89	75-125	

SAMPLE DUPLICATE: 173957	7				
		3027969005	Dup		
Parameter	Units	Result	Result	RPD	Qualifiers
Aluminum, Dissolved	ug/L	ND ND	42.8J		
Antimony, Dissolved	ug/L	ND	ND		
Arsenic, Dissolved	ug/L	ND	ND		
Barium, Dissolved	ug/L	84.8	85.7	1	
Beryllium, Dissolved	ug/L	ND	ND		
Boron, Dissolved	ug/L	51.8	56.6	9	
Cadmium, Dissolved	ug/L	ND	ND		
Calcium, Dissolved	u g /L	67800	66600	2	
Chromium, Dissolved	ug/L	ND	.75J		
Cobalt, Dissolved	ug/L	ND	ND		
Copper, Dissolved	ug/L	ND	ND		
Iron, Dissolved	ug/L	ND	29.4J		
Lead, Dissolved	ug/L	ND	ND		
Magnesium, Dissolved	ug/L	8530	8040	6	
Manganese, Dissolved	ug/L	155	151	3	
Molybdenum, Dissolved	ug/L	ND	3.1J		
Nickel, Dissolved	ug/L	ND	.35J		
Potassium, Dissolved	ug/L	4480	4400	2	
Selenium, Dissolved	ug/L	ND	ND		
Silver, Dissolved	ug/L	ND	ND		

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REPORT OF LABORATORY ANALYSIS

Page 33 of 58

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CABOT-EPA 007095



QUALITY CONTROL DATA

Project:

2H/4H

Pace Project No: 3028135

SAMPLE DUPLICATE: 173957

Parameter	Units	3027969005 Result	Dup Result	RPD	Qualifiers
Sodium, Dissolved	ug/L	181000	181000		3
Thallium, Dissolved	ug/L	ND	ND		
Vanadium, Dissolved	ug/L	ND	ND		
Zinc, Dissolved	u g/L	ND	7.6J		

SAMPLE DUPLICATE: 173960

Deservator	l leute	3028051004	Dup Dogu!t	DDD Ovelifere
Parameter	Units	Result	Result	RPD Qualifiers
Aluminum, Dissolved	ug/L	64 8	51.3	23 D6
Antimony, Dissolved	ug/L	0.82U	ND	
Arsenic, Dissolved	ug/L	1. 0U	ND	
Barium, Dissolved	ug/L	12.6	12.9	2
Beryllium, Dissolved	ug/L	0 060U	ND	
Boron, Dissolved	ug/L	5880	5810	1
Cadmium, Dissolved	ug/L	0.090U	ND	
Calcium, Dissolved	ug/L	316000	312000	2
Chromium, Dissolved	ug/L	0.35U	ND	
Cobalt, Dissolved	ug/L	0.20U	ND	
Copper, Dissolved	ug/L	1.2U	ND	
Iron, Dissolved	ug/L	3.2U	ND	
Lead, Dissolved	ug/L	0.70U	ND	
Magnesium, Dissolved	ug/L	84600	80300	5
Manganese, Dissolved	ug/L	6.0	6.2	3
Molybdenum, Dissolved	ug/L	28.5	25.8	10
Nickel, Dissolved	ug/L	0 13U	ND	
Potassium, Dissolved	ug/L	6490	6640	2
Selenium, Dissolved	ug/L	0.80U	1J	
Silver, Dissolved	ug/L	0. 2 5U	ND	
Sodium, Dissolved	ug/L	37000	37500	1
Thallium, Dissolved	ug/L	0 39U	ND	
Vanadium, Dissolved	ug/L	0.72J	.42J	
Zinc, Dissolved	ug/L	44.0	42.4	4

Date: 06/11/2010 05:14 PM

REPORT OF LABORATORY ANALYSIS

Page 34 of 58

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CABOT-EPA 007096



QUALITY CONTROL DATA

Project:

2H/4H

Pace Project No.:

3028135

QC Batch:

MERP/1943

Analysis Method:

EPA 7470

QC Batch Method:

EPA 7470

Analysis Description:

7470 Mercury

Associated Lab Samples:

3028135001, 3028135002, 3028135003

Matrix Water

METHOD BLANK: 174001 Associated Lab Samples:

3028135001, 3028135002, 3028135003

Reporting Limit

Analyzed

Mercury

Mercury

Mercury

Mercury

Units ug/L

Blank Result ND

0.20 05/25/10 11:22

Qualifiers

LABORATORY CONTROL SAMPLE:

Parameter

Parameter

Parameter

Parameter

174002

Units

Units

Units

Spike Conc.

LCS Result

LCS % Rec % Rec

Qualifiers

ug/L 10 101

174004

ug/L

ug/L

3028076003 Result

Spike Conc.

25

ND

MS Result

2.6

MS % Rec

85-115

% Rec Limits

85-115

Qualifiers

SAMPLE DUPLICATE: 174003

MATRIX SPIKE SAMPLE

3028076003 Result

ND

ND

Dup Result

RPD

Qualifiers

106

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REPORT OF LABORATORY ANALYSIS

Page 35 of 58

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CABOT-EPA 007097



(724)850-5600

QUALITY CONTROL DATA

Project

2H/4H

Pace Project No.:

3028135

QC Batch:

MERP/1942 EPA 7470

Analysis Method.

EPA 7470

QC Batch Method: Associated Lab Samples: 3028135001, 3028135002, 3028135003

Analysis Description:

7470 Mercury Dissolved

METHOD BLANK: 173997

Matrix: Water

Associated Lab Samples:

3028135001, 3028135002, 3028135003 Units

Blank Result Reporting Limit

Analyzed

Qualifiers

Mercury, Dissolved

ug/L

ND

0.20 05/25/10 11:22

LABORATORY CONTROL SAMPLE

Parameter

Parameter

Parameter

173998

Spike

LCS

LCS % Rec % Rec Limits

Qualifiers

Mercury, Dissolved

Units ug/L

Conc

Resuit 1.0

ND

ND

25

101 85-115

MATRIX SPIKE SAMPLE.

174000

3028135001 Result

Spike Conc.

MS Result

2.6

MS % Rec % Rec Limits

75-125

Qualifiers

SAMPLE DUPLICATE: 173999

3028135001

Dup

RPD

Qualifiers

104

Parameter Mercury, Dissolved

Mercury, Dissolved

ug/L

ug/L

Units

Units

Result

Result

ND

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REPORT OF LABORATORY ANALYSIS

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CABOT-EPA 007098

Page 36 of 58



QUALITY CONTROL DATA

Project⁻

2H/4H

Pace Project No: 3028135

OEXT/4957 QC Batch:

Analysis Method:

EPA 8270 by SIM

QC Batch Method:

EPA 3510

Analysis Description.

8270 Water PAH by SIM MSSV

Associated Lab Samples: 3028135001, 3028135002, 3028135003

METHOD BLANK: 173789

Matrix: Water

Associated Lab Samples: 3028135001, 3028135002, 3028135003

		Blank	Reporting		
Parameter	Units	Result	Limit	Analyzed	Qualifiers
Acenaphthene	ug/L	ND	2.5	05/24/10 20.40	
Acenaphthylene	ug/L	ND	2.5	05/24/10 20:40	
Anthracene	ug/L	ND	0 20	05/24/10 20:40	
Benzo(a)anthracene	ug/L	ND	0.20	05/24/10 20.40	
Benzo(a)pyrene	ug/L	ND	0.20	05/24/10 20:40	
Benzo(b)fluoranthene	ug/L	ND	0.20	05/24/10 20 40	
Benzo(g,h,i)perylene	ug/L	ND	0 20	05/24/10 20:40	
Benzo(k)fluoranthene	ug/L	ND	0.20	05/24/10 20 40	
Chrysene	ug/L	ND	0.20	05/24/10 20:40	
Dibenz(a,h)anthracene	ug/L	ND	0 20	05/24/10 20:40	
Fluoranthene	ug/L	ND	0.20	05/24/10 20:40	
Fluorene	ug/L	ND	0 20	05/24/10 20.40	
Indeno(1,2,3-cd)pyrene	ug/L	ND	0.20	05/24/10 20:40	
Naphthalene	ug/L	ND	1.0	05/24/10 20:40	
Phenanthrene	ug/L	ND	0.20	05/24/10 20:40	
Pyrene	ug/L	ND	0.20	05/24/10 20:40	
2-Fluorobiphenyl (S)	%	54	43-116	05/24/10 20.40	
Nitrobenzene-d5 (S)	%	57	35-114	05/24/10 20:40	
Terphenyl-d14 (S)	%	67	33-141	05/24/10 20.40	

		Spike	LCS	LCS	% Rec	
Parameter	Units	Conc.	Result	% Rec	Limits	Qualifiers
Acenaphthene	ug/L	2	1.3J	66	32-104	
Acenaphthylene	ug/L	2	1.3J	66	28-114	
Anthracene	ug/L	2	15	73	35-114	
Benzo(a)anthracene	ug/L	2	1.6	81	29-139	
Benzo(a)pyrene	ug/L	2	1.7	86	35-128	
Benzo(b)fluoranthene	ug/L	2	1.7	85	26-141	
Benzo(g,h,i)perylene	ug/L	2	1.9	94	34-131	
Benzo(k)fluoranthene	ug/L	2	1.9	95	29-146	
Chrysene	ug/L	2	1.7	86	39-128	
Dibenz(a,h)anthracene	ug/L	2	1.9	94	39-136	
Fluoranthene	ug/L	2	1.6	79	35-135	
Fluorene	ug/L	2	1.4	68	34-104	
Indeno(1,2,3-cd)pyrene	ug/L	2	1.8	92	37-136	
Naphthalene	ug/L	2	1.2	61	34-98	
Phenanthrene	ug/L	2	1.4	70	32-109	
Pyrene	ug/L	2	1.3	64	34-103	
2-Fluorobiphenyl (S)	%			69	43-116	
Nitrobenzene-d5 (S)	%			69	35-114	

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REPORT OF LABORATORY ANALYSIS

Page 37 of 58

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CABOT-EPA 007099



QUALITY CONTROL DATA

LCS

Result

Spike

Project:

2H/4H

Pace Project No.: 3028135

LABORATORY CONTROL SAMPLE. 173790

Parameter Units Conc. % Terphenyl-d14 (S)

% Rec 75

LCS

% Rec Limits

Qualifiers

33-141

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REPORT OF LABORATORY ANALYSIS

Page 38 of 58

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CABOT-EPA 007100



QUALITY CONTROL DATA

Project:

QC Batch:

2H/4H

Pace Project No.:

3028135

OEXT/4956

Analysis Method.

EPA 8270

QC Batch Method.

EPA 3510

Analysis Description:

8270 Water MSSV

Associated Lab Samples: 3028135001, 3028135002, 3028135003

METHOD BLANK. 173787

Matrix: Water

Associated Lab Samples: 3028135001, 3028135002, 3028135003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trichlorobenzene	ug/L	ND	1.0	05/24/10 15:05	
1,2-Dichlorobenzene	ug/L	ND	1.0	05/24/10 15:05	
1,3-Dichlorobenzene	ug/L	ND	1.0		
1,4-Dichlorobenzene	ug/L	ND	1.0	05/24/10 15:05	
1-Methylnaphthalene	ug/L	ND	1.0	05/24/10 15.05	
2,4,5-Trichlorophenol	ug/L	ND	2.5	05/24/10 15:05	
2,4,6-Trichlorophenol	ug/L	ND	1.0	05/24/10 15:05	
2,4-Dichlorophenol	ug/L	ND	1.0	05/24/10 15.05	
2,4-Dimethylphenol	ug/L	ND	1.0	05/24/10 15:05	
2,4-Dinitrophenol	ug/L	ND	2.5	05/24/10 15 05	
2,4-Dinitrotoluene	ug/L	ND	1.0	05/24/10 15:05	
2,6-Dinitrotoluene	ug/L	ND	1.0	05/24/10 15:05	
2-Chloronaphthalene	ug/L	ND	1.0	05/24/10 15.05	
2-Chlorophenol	ug/L	ND	10	05/24/10 15:05	
2-Methylnaphthalene	ug/L	ND	1.0		
2-Methylphenol(o-Cresol)	ug/L	ND	1.0	05/24/10 15:05	
2-Nitroaniline	ug/L	ND	2.5	05/24/10 15:05	
2-Nitrophenol	ug/L	ND	1.0		
3&4-Methylphenol(m&p Cresol)	ug/L	ND	2.0		
3,3'-Dichlorobenzidine	ug/L	ND		05/24/10 15.05	
3-Nitroaniline	ug/L	ND	2.5		
4,6-Dinitro-2-methylphenol	ug/L	ND	2.5		
4-Bromophenylphenyl ether	ug/L	ND	1.0		
4-Chloro-3-methylphenol	ug/L	ND		05/24/10 15:05	
4-Chloroaniline	ug/L	ND	1.0		
4-Chlorophenylphenyl ether	ug/L	ND	1.0	05/24/10 15.05	
4-Nitroaniline	ug/L	ND	2.5	05/24/10 15:05	
4-Nitrophenol	ug/L	ND	1.0	05/24/10 15 05	
Acenaphthene	ug/L	ND	1.0	05/24/10 15:05	
Acenaphthylene	ug/L	ND		05/24/10 15:05	
Anthracene	ug/L	ND	1.0		
Azobenzene	ug/L	ND	1.0		
Benzo(a)anthracene	ug/L	ND	1.0	05/24/10 15:05	
Benzo(a)pyrene	ug/L	ND	1.0		
Benzo(b)fluoranthene	ug/L	ND	1.0		
Benzo(g,h,i)perylene	ug/L	ND	1.0		
Benzo(k)fluoranthene	ug/L	ND	10	05/24/10 15 05	
Benzoic acid	ug/L	ND	100	05/24/10 15.05	
Benzyl alcohol	ug/L	ND	1.0		
bis(2-Chloroethoxy)methane	ug/L	ND	1.0		
bis(2-Chloroethyl) ether	ug/L	ND	1.0		
bis(2-Chloroisopropyl) ether	ug/L	ND	1.0	05/24/10 15:05	
bis(2-Ethylhexyl)phthalate	ug/L	ND	1.0	05/24/10 15:05	

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REPORT OF LABORATORY ANALYSIS

Page 39 of 58

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CABOT-EPA 007101



QUALITY CONTROL DATA

Project:

2H/4H

Pace Project No: 3028135

METHOD BLANK: 173787

Matrix: Water

Associated Lab Samples 3028135001, 3028135002, 3028135003

		Blank	Reporting		
Parameter	Units	Result	Limit	Analyzed	Qualifiers
Butylbenzylphthalate	ug/L	ND	1.0	05/24/10 15:05	
Carbazole	ug/L	ND	1.0	05/24/10 15:05	
Chrysene	ug/L	ND	1.0	05/24/10 15:05	
Dı-n-butylphthalate	ug/L	ND	1.0	05/24/10 15:05	
Di-n-octylphthalate	ug/L	ND	1.0	05/24/10 15:05	
Dibenz(a,h)anthracene	ug/L	ND	1.0	05/24/10 15:05	
Dibenzofuran	ug/L	ND	1.0	05/24/10 15:05	
Diethylphthalate	ug/L	ND	1.0	05/24/10 15:05	
Dimethylphthalate	ug/L	ND	1.0	05/24/10 15:05	
Fluoranthene	ug/L	ND	1.0	05/24/10 15:05	
Fluorene	ug/L	ND	1.0	05/24/10 15:05	
Hexachloro-1,3-butadiene	u g/L	ND	1.0	05/24/10 15:05	
Hexachlorobenzene	ug/L	ND	1.0	05/24/10 15:05	
Hexachlorocyclopentadiene	ug/L	ND	1.0	05/24/10 15:05	
Hexachloroethane	ug/L	ND	1.0	05/24/10 15:05	
Indeno(1,2,3-cd)pyrene	ug/L	ND	1.0	05/24/10 15:05	
Isophorone	ug/L	ND	1.0	05/24/10 15.05	
N-Nitroso-di-n-propylamine	ug/L	ND	1.0	05/24/10 15 05	
N-Nitrosodimethylamine	ug/L	ND	1.0	05/24/10 15 05	
N-Nitrosodiphenylamine	ug/L	ND	1.0	05/24/10 15 05	
Naphthalene	ug/L	ND	1.0	05/24/10 15.05	
Nitrobenzene	ug/L	ND	1.0	05/24/10 15:05	
Pentachlorophenol	ug/L	ND	2 .5	05/24/10 15.05	
Phenanthrene	ug/L	ND	1.0	05/24/10 15:05	
Phenol	ug/L	ND	1.0	05/24/10 15:05	
Pyrene	ug/L	ND	1.0	05/24/10 15:05	
2,4,6-Tribromophenol (S)	%	50	10-123	05/24/10 15:05	
2-Fluorobiphenyl (S)	%	44	43-116	05/24/10 15:05	
2-Fluorophenol (S)	%	30	21-110	05/24/10 15:05	
Nitrobenzene-d5 (S)	%	39	35-114	05/24/10 15:05	
Phenol-d6 (S)	%	18	10-110	05/24/10 15:05	
Terphenyl-d14 (S)	%	93	33-141	05/24/10 15:05	

LABORATORY CONTROL SAMPLE	173788			_		
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/L	5	2.5	49	39-98	
1,2-Dichlorobenzene	ug/L		ND			
1,3-Dichlorobenzene	ug/L		ND			
1,4-Dichlorobenzene	ug/L	5	2.1	43	20-124	
1-Methylnaphthalene	ug/L	5	2.9	57	40-140	
2,4,5-Trichlorophenol	ug/L		ND			
2,4,6-Trichlorophenol	ug/L		ND			
2,4-Dichlorophenol	ug/L		ND			
2,4-Dimethylphenol	ug/L		ND			

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REPORT OF LABORATORY ANALYSIS

Page 40 of 58

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CABOT-EPA 007102



QUALITY CONTROL DATA

Project.

2H/4H

Pace Project No.: 3028135

LABORATORY CONTROL SAMPLE:	173788					
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,4-Dinitrophenol	ug/L		ND			
,4-Dinitrotoluene	ug/L	5	26	51	39-139	
,6-Dinitrotoluene	ug/L		ND			
Chloronaphthalene	ug/L		ND			
-Chlorophenol	ug/L	5	26	51	23-134	
-Methylnaphthalene	ug/L	5	2.4	49	40-140	
Methylphenol(o-Cresol)	ug/L	•	ND	-10	10 145	
Nitroaniline	ug/L		ND			
Nitrophenol	ug/L		ND			
&4-Methylphenol(m&p Cresol)	ug/L		ND			
3'-Dichlorobenzidine	ug/L		ND			
-Nitroaniline	ug/L		ND			
,6-Dinitro-2-methylphenol	ug/L		ND			
-Bromophenylphenyl ether	ug/L		ND			
-Chloro-3-methylphenol	ug/L	5	2.7	54	22-147	
-Chloroaniline	ug/L	•	ND	04	22-141	
-Chlorophenylphenyl ether	ug/L		ND			
-Nitroaniline	ug/L		ND			
l-Nitrophenol	ug/L	5	.95J	19	1-132	
cenaphthene	ug/L	5	2.8	57	27-133	
cenaphthylene	ug/L	5	2.7	54	33-145	
nthracene	ug/L	5	3.1	62	27-133	
zobenzene	ug/L	3	ND	02	21-133	
	•	5	34	68	33-142	
enzo(a)anthracene	ug/L	5 5	3.3	67	17-163	
enzo(a)pyrene enzo(b)fluoranthene	ug/L	5	3.3 4.5	89	24-159	
. ,	ug/L	5	38	75	1-219	
enzo(g,h,ı)perylene	ug/L	5 5		75 86		
enzo(k)fluoranthene	ug/L	5	4.3 ND	90	11-162	
enzoic acid	ug/L					
enzyl alcohol	ug/L		ND			
is(2-Chloroethoxy)methane	ug/L		ND			
vis(2-Chloroethyl) ether	ug/L		ND ND			
os(2-Chloroisopropyl) ether	ug/L		ND ND			
ois(2-Ethylhexyl)phthalate	ug/L		ND			
Butylbenzylphthalate	ug/L		ND			
Carbazole	ug/L	-	ND	70	47.400	
Chrysene	ug/L	5	3.6	73	17-168	
Di-n-butylphthalate	ug/L		ND			
Di-n-octylphthalate	ug/L	-	ND		4 00=	
bbenz(a,h)anthracene	ug/L	5	33	66	1-227	
bbenzofuran	ug/L		ND			
liethylphthalate	ug/L		ND			
Dimethylphthalate	ug/L	_	ND		00.15-	
luoranthene	ug/L	5	3.7	74	26-137	
fluorene	ug/L 	5	2.9	58	59-121	L0
lexachloro-1,3-butadiene	ug/L		ND			
lexachiorobenzene	ug/L 		ND			
lexachlorocyclopentadiene	ug/L		ND			

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REPORT OF LABORATORY ANALYSIS

Page 41 of 58

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CABOT-EPA 007103



QUALITY CONTROL DATA

Project:

2H/4H

Pace Project No.: 3028135

ABORATORY CONTROL SAMPLE:	173788					,
		Spike	LCS	LCS	% Rec	
Parameter	Units	Conc.	Result	% Rec	Limits	Qualifiers
lexachloroethane	ug/L		ND			
deno(1,2,3-cd)pyrene	ug/L	5	3 4	68	1-171	
ophorone	ug/L		ND			
-Nitroso-di-n-propylamine	ug/L	5	2.9	59	1-230	
I-Nitrosodimethylamine	ug/L		ND			
-Nitrosodiphenylamine	ug/L		ND			
aphthalene	u g/L	5	2.5	51	21-133	
itrobenzene	ug/L		ND			
entachlorophenol	ug/L	5	35	70	14-176	
nenanthrene	ug/L	5	3.2	64	54-120	
enol	ug/L	5	1.2	24	5-112	
yrene	ug/L	5	4.3	86	26-127	
4,6-Tribromophenol (S)	%			53	10-123	
-Fluorobiphenyl (S)	%			54	43-116	
Fluorophenol (S)	%			33	21-110	
trobenzene-d5 (S)	%			41	35-114	
enol-d6 (S)	%			18	10-110	
erphenyl-d14 (S)	%			98	33-141	

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REPORT OF LABORATORY ANALYSIS

Page 42 of 58

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CABOT-EPA 007104



QUALITY CONTROL DATA

Project:

QC Batch:

2H/4H

Pace Project No.: 3028135

MSV/5909

Analysis Method.

EPA 8260

QC Batch Method

EPA 8260

Analysis Description:

8260 MSV

Associated Lab Samples. 3028135001, 3028135002, 3028135003, 3028135004

METHOD BLANK: 173854

Matrix Water

Associated Lab Samples: 3028135001, 3028135002, 3028135003, 3028135004

		Blank	Reporting		
Parameter	Units	Result	Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	1.0	05/24/10 13:47	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	05/24/10 13:47	
1,1,2-Trichloroethane	ug/L	ND	10	05/24/10 13:47	
1,1-Dichloroethane	ug/L	ND	1.0	05/24/10 13.47	
1,1-Dichloroethene	ug/L	ND	1.0	05/24/10 13:47	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	05/24/10 13.47	
1,2,4-Trimethylbenzene	ug/L	ND	1.0	05/24/10 13:47	
1,2-Dichlorobenzene	ug/L	ND	1.0	05/24/10 13:47	
1,2-Dichloroethane	ug/L	ND	1.0	05/24/10 13 47	
1,2-Dichloropropane	ug/L	ND	1.0	05/24/10 13:47	
1,3,5-Trimethylbenzene	ug/L	ND	1.0	05/24/10 13.47	
1,3-Dichlorobenzene	ug/L	ND	1.0	05/24/10 13:47	
1,4-Dichlorobenzene	ug/L	ND	1.0	05/24/10 13:47	
2-Butanone (MEK)	ug/L	ND	10.0	05/24/10 13:47	
2-Hexanone	ug/L	ND	10.0	05/24/10 13:47	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	10.0	05/24/10 13.47	
Acetone	ug/L	ND	10 0	05/24/10 13:47	
Benzene	ug/L	ND	1.0	05/24/10 13:47	
Bromochloromethane	ug/L	ND	1.0	05/24/10 13:47	
Bromodichloromethane	ug/L	ND	1.0	05/24/10 13:47	
Bromoform	ug/L	ND	1.0	05/24/10 13:47	
Bromomethane	ug/L	ND	1.0	05/24/10 13:47	
Carbon disulfide	ug/L	ND	1.0	05/24/10 13:47	
Carbon tetrachloride	ug/L	ND	1.0	05/24/10 13:47	
Chlorobenzene	ug/L	ND	1.0	05/24/10 13.47	
Chloroethane	ug/L	ND	1.0	05/24/10 13:47	
Chloroform	ug/L	ND	10	05/24/10 13:47	
Chloromethane	ug/L	ND	1.0	05/24/10 13:47	
cis-1,2-Dichloroethene	ug/L	ND	10	05/24/10 13.47	
cis-1,3-Dichloropropene	ug/L	ND	1.0	05/24/10 13:47	
Dibromochloromethane	ug/L	ND	1.0	05/24/10 13.47	
Ethylbenzene	ug/L	ND	1.0	05/24/10 13:47	
Isopropylbenzene (Cumene)	ug/L	ND	10	05/24/10 13:47	
m&p-Xylene	ug/L	ND	2.0	05/24/10 13:47	
Methyl-tert-butyl ether	ug/L	ND	1.0	05/24/10 13.47	
Methylene Chloride	ug/L	ND	1.0	05/24/10 13:47	
n-Butylbenzene	ug/L	ND	1.0	05/24/10 13.47	
n-Propylbenzene	ug/L	ND	1.0	05/24/10 13:47	
Naphthalene	ug/L	ND	2.0	05/24/10 13.47	
o-Xylene	ug/L	ND	1.0	05/24/10 13:47	
p-Isopropyltoluene	ug/L	ND		05/24/10 13.47	
sec-Butylbenzene	ug/L	ND	1.0		
Styrene	ug/L	ND	1.0	05/24/10 13:47	

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REPORT OF LABORATORY ANALYSIS

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CABOT-EPA 007105

Page 43 of 58



QUALITY CONTROL DATA

Project

2H/4H

Pace Project No :

3028135

METHOD BLANK: 173854

Matrix: Water

Associated Lab Samples: 3028135001, 3028135002, 3028135003, 3028135004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Tetrachloroethene	ug/L	ND	1.0	05/24/10 13.47	
Toluene	ug/L	ND	1.0	05/24/10 13:47	
trans-1,2-Dichloroethene	ug/L	ND	1.0	05/24/10 13.47	
trans-1,3-Dichloropropene	ug/L	ND	1.0	05/24/10 13.47	
Trichloroethene	ug/L	ND	1.0	05/24/10 13 47	
Vinyl chloride	ug/L	ND	1.0	05/24/10 13.47	
Xylene (Total)	ug/L	ND	3.0	05/24/10 13 47	
1,2-Dichloroethane-d4 (S)	%	127	70-130	05/24/10 13 47	
4-Bromofluorobenzene (S)	%	77	70-130	05/24/10 13 47	
Toluene-d8 (S)	%	88	70-130	05/24/10 13 47	

LABORATORY CONTROL SAMPLE:	173855					
		Spike	LCS	LCS	% Rec	
Parameter	Units	Conc.	Result	% Rec	Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	20	23 7	119	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	19 1	95	70-130	
1,1,2-Trichloroethane	ug/L	20	19 2	96	70-130	
1,1-Dichloroethane	ug/L	20	26.4	132	70 -13 0 I	L1
1,1-Dichloroethene	ug/L	20	15 6	78	70-130	
1,2,4-Trichlorobenzene	ug/L	20	19 2	96	70-130	
1,2,4-Trimethylbenzene	ug/L	20	20 1	100	70-130	
1,2-Dichlorobenzene	ug/L	20	19 0	95	70-130	
1,2-Dichloroethane	ug/L	20	25.6	128	70-130	
1,2-Dichloropropane	ug/L	20	19.0	95	70-130	
1,3,5-Trimethylbenzene	ug/L	20	20.1	100	70-130	
1,3-Dichlorobenzene	ug/L	20	19.2	9 6	70-130	
1,4-Dichlorobenzene	ug/L	20	19.6	98	70-130	
2-Butanone (MEK)	ug/L	20	25.6	128	70-130	
2-Hexanone	ug/L	20	21.3	107	70-130	
4-Methyl-2-pentanone (MIBK)	ug/L	20	21.9	110	70-130	
Acetone	ug/L	20	32.1	160	70-130	L1
Benzene	ug/L	20	19.0	95	70-130	
Bromochloromethane	ug/L	20	24.3	121	70-130	
Bromodichloromethane	ug/L	20	17.1	86	70-130	
Bromoform	ug/L	20	14.4	72	70-130	
Bromomethane	ug/L	20	31.1	155	70-130	L3
Carbon disulfide	ug/L	20	20.7	104	70-130	
Carbon tetrachloride	ug/L	20	20.5	103	70-130	
Chlorobenzene	ug/L	20	20.2	10 1	70-130	
Chloroethane	ug/L	20	22.7	113	70-130	
Chloroform	ug/L	20	25.5	128	70-130	
Chloromethane	ug/L	20	25.7	128	70-130	
cis-1,2-Dichloroethene	ug/L	20	26.1	131	70-130	L1
cis-1,3-Dichloropropene	ug/L	20	16.5	82	70-130	
Dibromochloromethane	ug/L	20	15.9	79	70-130	

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REPORT OF LABORATORY ANALYSIS

Page 44 of 58

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CABOT-EPA 007106



QUALITY CONTROL DATA

Project:

2H/4H

Pace Project No.: 3028135

_ABORATORY CONTROL SAMPLE:	173855					
5		Spike	LCS	LCS	% Rec	Q 15
Parameter	Units	Conc.	Result	% Rec	Limits	Qualifiers
Ethylbenzene	ug/L	20	20.7	103	70-130	
sopropylbenzene (Cumene)	u g/L	20	20.4	102	70-130	
n&p-Xylene	ug/L	40	42.6	106	70-130	
Methyl-tert-butyl ether	ug/L	20	26.7	13 3	70-130 L	_1
Methylene Chloride	ug/L	20	28.3	142	70-130 L	_1
n-Butylbenzene	ug/L	20	20.7	104	70-130	
n-Propylbenzene	ug/L	20	21.0	105	70-130	
Naphthalene	ug/L	20	19.6	98	70-130	
o-Xylene	ug/L	20	19.8	99	70-130	
o-Isopropyltoluene	ug/L	20	20 2	101	70-130	
ec-Butylbenzene	ug/L	20	20.6	103	70-130	
Styrene	ug/L	20	20.2	101	70-130	
etrachloroethene	ug/L	20	18.3	92	70-130	
oluene	ug/L	20	20.2	101	70-130	
rans-1,2-Dichloroethene	ug/L	20	26 2	131	70-130 l	_1
rans-1,3-Dichloropropene	ug/L	20	16 3	82	70-130	
Frichloroethene	ug/L	20	17.8	89	70-130	
/inyl chloride	ug/L	20	23.9	119	70-130	
(ylene (Total)	ug/L	60	62.4	104	70-130	
,2-Dichloroethane-d4 (S)	%			121	70-130	
-Bromofluorobenzene (S)	%			82	70-130	
Toluene-d8 (S)	%			90	70-130	

MATRIX SPIKE & MATRIX SPIK	E DUPLICAT	E: 17390	5		173906						
			MS	MSD							
	30	028100001	Spike	Spike	MS	MSD	MS	MSD	% Rec		
Parameter	Units	Result	Conc.	Conc.	Result	Result	% Rec	% Rec	Limits	RPD	Qual
1,1,1-Trichloroethane	ug/L	ND	20	20	24.1	22.5	121	113	70-130	7	
1,1,2,2-Tetrachloroethane	ug/L	ND	20	20	18.0	20.1	90	100	70-130	11	
1,1,2-Trichloroethane	ug/L	ND	20	20	19.3	20.0	96	100	70-130	4	
1,1-Dichloroethane	ug/L	ND	20	20	25 6	24.0	128	120	70-130	7	
1,1-Dichloroethene	ug/L	ND	20	20	16.4	14.9	82	74	70-130	10	
1,2,4-Trichlorobenzene	ug/L	ND	20	20	16 6	18.8	83	94	70-130	13	
1,2,4-Trimethylbenzene	ug/L	ND	20	20	19.3	19.9	96	99	70-130	3	
,2-Dichlorobenzene	ug/L	ND	20	20	17 9	18.7	90	93	70-130	4	
,2-Dichloroethane	ug/L	ND	20	20	25.3	23 4	126	117	70-130	8	
i,2-Dichloropropane	ug/L	ND	20	20	18.3	19.4	91	97	70-130	6	
1,3,5-Trimethylbenzene	ug/L	ИD	20	20	19.5	19.5	97	97	70-130	.1	
1,3-Dichlorobenzene	ug/L	ND	20	20	18 3	19.0	92	95	70-130	4	
1,4-Dichlorobenzene	ug/L	ND	20	20	18 3	19 5	91	98	70-130	7	
2-Butanone (MEK)	ug/L	ND	20	20	21.1	21.6	105	108	70-130	3	
2-Hexanone	ug/L	ND	20	20	18.9	23.0	94	115	70-130	20	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	20	20	19.6	22.4	98	112	70-130	13	
Acetone	ug/L	ND	20	20	23 8	21,4	119	107	70-130	10	
Benzene	ug/L	ND	20	20	19.5	20.1	98	100	70-130	3	
Bromochloromethane	ug/L	ND	20	20	26 4	23.8	132	119	70-130	11 N	10
Bromodichloromethane	ug/L	ND	20	20	16.5	16.9	82	85	70-130	3	

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REPORT OF LABORATORY ANALYSIS

Page 45 of 58

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CABOT-EPA 007107



QUALITY CONTROL DATA

Project^{*}

2H/4H

Pace Project No.: 3028135

MATRIX SPIKE & MATRIX SPI	KE DUPLIÇAT	E: 17390			173906						
Parameter	30 Units	028100001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qua
Bromoform	ug/L	ND	20	20	13.0	14 0	65	70	70-130	7 M0	
Bromomethane	ug/L	ND	20	20	29.5	28.9	148	145	70-130	2 M0	
Carbon disulfide	ug/L	ND	20	20	17 9	17.2	90	86	70-130	4	
Carbon tetrachloride	ug/L	ND	20	20	20 4	19 5	102	98	70-130	4	
Chlorobenzene	ug/L	ND	20	20	20 8	21 4	104	107	70-130	3	
Chloroethane	ug/L	ND	20	20	22 2	21.7	111	109	70-130	2	
Chloroform	ug/L	ND	20	20	25 3	23.4	127	117	70-130	8	
Chloromethane	ug/L	ND	20	20	23 8	22.2	119	111	70-130	7	
cis-1,2-Dichloroethene	ug/L	ND	20	20	24 9	23.4	125	117	70-130	6	
cis-1,3-Dichloropropene	ug/L	ND	20	20	15.6	16.4	78	82	70-130	5	
Dibromochloromethane	ug/L	ND	20	20	14.7	15.8	73	79	70-130	7	
Ethylbenzene	ug/L	ND	20	20	20 8	21.6	104	108	70-130	4	
sopropylbenzene (Cumene)	ug/L	ND	20	20	20.1	20.8	101	104	70-130	4	
m&p-Xylene	ug/L	ND	40	40	43.3	43.6	107	107	70-130	.6	
Methyl-tert-butyl ether	ug/L	ND	20	20	23.1	22.7	116	113	70-130	2	
Methylene Chloride	ug/L	ND	20	20	25.6	16.3	128	82	70-130	44 R1	
n-Butylbenzene	ug/L	ND	20	20	18.8	19 8	94	99	70-130	5	
n-Propylbenzene	ug/L	ND	20	20	20.6	21 0	103	105	70-130	2	
Naphthalene	ug/L	ND	20	20	16 8	21 5	84	107	70-130	25	
o-Xylene	ug/L	ND	20	20	19 9	20 2	97	98	70-130	1	
p-Isopropyltoluene	ug/L	ND	20	20	19 1	19.7	96	98	70-130	3	
sec-Butylbenzene	ug/L	ND	20	20	20 0	20.8	100	104	70-130	4	
Styrene	ug/L	ND	20	20	20 0	20.5	100	103	70-130	2	
Tetrachloroethene	ug/L	ND	20	20	19 3	19.8	97	99	70-130	2	
Toluene	ug/L	ND	20	20	21.2	21.7	106	108	70-130	2	
trans-1,2-Dichloroethene	ug/L	ND	20	20	25.8	15.9	129	79	70-130	48 R1	
trans-1,3-Dichloropropene	ug/L	ND	20	20	15.1	16.2	76	81	70-130	7	
Trichloroethene	ug/L	ND	20	20	18.9	196	94	98	70-130	4	
Vinyl chloride	ug/L	ND	20	20	22.4	21 7	112	108	70-130	3	
Xylene (Total)	ug/L	ND	60	60	63.2	63.8	103	104	70-130	.8	
1,2-Dichloroethane-d4 (S)	%						114	103	70-130		
4-Bromofluorobenzene (S)	%						71	74	70-130		
Toluene-d8 (S)	%						84	86	70-130		

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REPORT OF LABORATORY ANALYSIS

Page 46 of 58

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CABOT-EPA 007108



QUALITY CONTROL DATA

Project.

2H/4H

Pace Project No.:

3028135

QC Batch:

WET/5704

Analysis Method.

EPA 1664A

QC Batch Method:

EPA 1664A

Analysis Description:

1664 HEM, Oil and Grease

Associated Lab Samples: METHOD BLANK. 174146

Parameter

Matrix Water

Associated Lab Samples:

3028135001, 3028135002, 3028135003

Units

3028135001, 3028135002, 3028135003

Blank

Reporting

Analyzed

Oil and Grease

mg/L

Result

Limit

Qualifiers

ND

5 0 05/25/10 17:51

METHOD BLANK 174148

Matrix: Water

Associated Lab Samples:

3028135001, 3028135002, 3028135003 Units

Reporting Limit

Qualifiers

Parameter Oil and Grease

mg/L

Result

ND

5.0 05/25/10 17:51

Analyzed

88

86

LABORATORY CONTROL SAMPLE:

Parameter

Spike Units Conc.

LCS Result

LCS % Rec % Rec Limits

Qualifiers

Oil and Grease

mg/L

42.1

LABORATORY CONTROL SAMPLE:

Spike Units Conc.

LCS Result

LCS % Rec % Rec

78-114

Parameter Oil and Grease

mg/L

42.1

363

Limits

Qualifiers

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CABOT-EPA 007109

Page 47 of 58

DIM0228342 DIM0227454



QUALITY CONTROL DATA

Project

2H/4H

Pace Project No.:

3028135

QC Batch:

WET/5705

Analysis Method

EPA 1664A

QC Batch Method:

EPA 1664A

Analysis Description:

1664 SGT-HEM, TPH

Associated Lab Samples: 3028135001, 3028135002, 3028135003

Matrix Water

Associated Lab Samples:

3028135001, 3028135002, 3028135003

Units

Blank

Reporting

Analyzed

Qualifiers

Total Petroleum Hydrocarbons

Parameter

Parameter

METHOD BLANK: 174156

Units mg/L

ND

Limit

5 0 05/25/10 17:59

LABORATORY CONTROL SAMPLE: 174157

Spike Conc

LCS Result

LCS % Rec % Rec Limits

Qualifiers

Total Petroleum Hydrocarbons

mg/L

21.1

17.7

84

64-132

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Page 48 of 58

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CABOT-EPA 007110



QUALITY CONTROL DATA

Project:

2H/4H

Pace Project No.:

3028135

QC Batch:

WET/5692

Analysis Method:

SM 2310B

QC Batch Method:

SM 2310B

Analysis Description:

Associated Lab Samples

Parameter

Parameter

3028135001, 3028135002, 3028135003

2310B Acidity, Total

METHOD BLANK 173882

Matrix. Water

Associated Lab Samples

3028135001, 3028135002, 3028135003 Units

Blank

Reporting Lımit

Analyzed

Qualifiers

Acidity, Total

Acidity, Total

mg/L

mg/L

ND

10 0 05/24/10 21:00

SAMPLE DUPLICATE: 173883

3027977001

Result

Dup Result

RPD

Qualifiers

Units

Result

ND

ND

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REPORT OF LABORATORY ANALYSIS

Page 49 of 58

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CABOT-EPA 007111



QUALITY CONTROL DATA

Project:

2H/4H

Pace Project No.:

3028135

QC Batch:

WET/5691

Analysis Method.

SM 2320B

QC Batch Method:

SM 2320B

Analysis Description:

Matrix: Water

2320B Alkalinity

Associated Lab Samples:

3028135001, 3028135002, 3028135003

METHOD BLANK: 173878 Associated Lab Samples:

3028135001, 3028135002, 3028135003

Blank

Reporting

Parameter

Units Result

Limit

Qualifiers

Alkalinity, Total as CaCO3

mg/L

ND

10.0 05/24/10 19 20

LABORATORY CONTROL SAMPLE:

Parameter

Parameter

Parameter

LCS Spike Result

LCS % Rec

% Rec

Alkalınity, Total as CaCO3

Units

Units

Conc 20

20.0

100

Analyzed

Limits 85-115 Qualifiers

MATRIX SPIKE SAMPLE.

Alkalınıty, Total as CaCO3

173880

mg/L

mg/L

3027977001 Result

Spike Conc.

100

96.0

MS Result

188

MS % Rec % Rec Limits

Qualifiers

80-120

SAMPLE DUPLICATE: 173881

3027977001

94.0

Dup

RPD

Qualifiers

94

Alkalinity, Total as CaCO3

mg/L

Units

Result 94 0 Result

2

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Page 50 of 58

CABOT-EPA 007112

DIM0228345 DIM0227454



QUALITY CONTROL DATA

Project¹

2H/4H

Pace Project No.:

3028135

QC Batch:

WET/5710

Analysis Method.

SM 2540C

QC Batch Method:

SM 2540C

Analysis Description:

Associated Lab Samples:

3028135001, 3028135002, 3028135003

2540C Total Dissolved Solids

METHOD BLANK: 174332

Matrix: Water

Associated Lab Samples:

3028135001, 3028135002, 3028135003 Units

Blank

Reporting

Analyzed

Parameter

Result

Limit

Qualifiers

Total Dissolved Solids

mg/L

ND

10.0 05/25/10 17:30

LABORATORY CONTROL SAMPLE: 174333

LCS

LCS

% Rec Limits

Total Dissolved Solids

Parameter

Units mg/L

Conc. 1000

Spike

Result 915 % Rec

92

Qualifiers

SAMPLE DUPLICATE: 174485

3028131001

Result

Dup Result

RPD

Qualifiers

85-115

Parameter Total Dissolved Solids

mg/L

Units

658

642

2

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REPORT OF LABORATORY ANALYSIS

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CABOT-EPA 007113

Page 51 of 58



QUALITY CONTROL DATA

Project.

2H/4H

Pace Project No.:

3028135

QC Batch:

WET/5681

Analysis Method:

SM 4500-H+B

QC Batch Method:

SM 4500-H+B

Analysis Description:

4500H+B pH

RPD

Associated Lab Samples

3028135001, 3028135002, 3028135003

Units

SAMPLE DUPLICATE: 173463

Parameter

3028135003 Result

Dup Result

Qualifiers

pH at 25 Degrees C

Std. Units

7.0

7.0

.1 H6

Date: 06/11/2010 05.14 PM

REPORT OF LABORATORY ANALYSIS

Page 52 of 58

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CABOT-EPA 007114



QUALITY CONTROL DATA

Project.

2H/4H

3028135

Pace Project No:

QC Batch: WET/5680 Analysis Method:

SM 5540C

QC Batch Method.

SM 5540C

Analysis Description:

5540C MBAS Surfactants

Associated Lab Samples:

3028135001, 3028135002, 3028135003

Result

METHOD BLANK: 173426

Matrix. Water

Associated Lab Samples

3028135001, 3028135002, 3028135003 Units

Blank

Reporting Limit

Analyzed

92

Qualifiers

Surfactants

Surfactants

Surfactants

mg/L

ND

0 10 05/21/10 21:00

LABORATORY CONTROL SAMPLE:

Parameter

173427

Spike Conc.

LCS Result

LCS % Rec % Rec Limits

Qualifiers

Parameter Surfactants

Parameter

Parameter

Units mg/L

Units

85-115 SU

MATRIX SPIKE SAMPLE:

173429

mg/L

mg/L

3028135003 Result

Spike Conc.

0 11

ND

0.92

MS Result

MS % Rec % Rec Limits

85-115

Qualifiers

SAMPLE DUPLICATE: 173428

Units

3028135002 Result

Dup Result

.056J

RPD

1.1

Qualifiers

95

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Page 53 of 58

CABOT-EPA 007115

DIM0228348 DIM0227454



QUALITY CONTROL DATA

Project:

2H/4H

Pace Project No.:

3028135

QC Batch

WETA/4321

Analysis Method

EPA 350.1

QC Batch Method:

EPA 350.1

Analysis Description:

350.1 Ammonia, Distilled

Associated Lab Samples:

3028135001, 3028135002, 3028135003

METHOD BLANK: 174554

Matrix: Water

Associated Lab Samples.

3028135001, 3028135002, 3028135003

Units

Blank Result Reporting

Limit

Analyzed

96

3 7

Qualifiers

Ammonia, Distilled

mg/L

ND

0.10 05/26/10 12:45

LABORATORY CONTROL SAMPLE:

Parameter

Parameter

Parameter

Parameter

174555

LCS Result

LCS % Rec % Rec Limits

Qualifiers

89

Ammonia, Distilled

Ammonia, Distilled

Units

Conc.

Spike

3.8

85-115

MATRIX SPIKE SAMPLE.

174556

Units

mg/L

mg/L

3028018006 Result

Spike Conc.

MS Result

MS % Rec % Rec Limits

85-115

Qualifiers

SAMPLE DUPLICATE: 174557

3028018006

Dup

RPD Qualifiers

Ammonia, Distilled

mg/L

Units

Result 0.19

0.19

Result 0 24

27 R1

Date: 06/11/2010 05 14 PM

REPORT OF LABORATORY ANALYSIS

Page 54 of 58

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CABOT-EPA 007116

DIM0228349 DIM0227454



QUALITY CONTROL DATA

Project:

2H/4H

Pace Project No :

3028135

QC Batch:

WETA/4311

Analysis Method.

SM 4500-CI-E

QC Batch Method.

SM 4500-CI-E

Analysis Description:

4500 Chloride

Associated Lab Samples.

3028135001, 3028135002, 3028135003

METHOD BLANK 174099

Matrix: Water

Associated Lab Samples:

3028135001, 3028135002, 3028135003 Units

Blank Result Reporting Limit

Analyzed

Qualifiers

Chloride

mg/L

ND

3.0 05/25/10 00.00

LABORATORY CONTROL SAMPLE:

Parameter

174100

Spike

LCS

LCS % Rec % Rec Limits

Qualifiers

Parameter Chloride

Parameter

Parameter

Units

Conc 40 Result 402

100

85-115

MATRIX SPIKE SAMPLE:

174101

mg/L

mg/L

3028198002 Result

Spike Conc.

20

1790

MS Result

MS % Rec % Rec Limits

Qualifiers

85-115 M1

SAMPLE DUPLICATE: 174102

3028198002

1980

Dup

Qualifiers

-2160

Chloride

Chloride

mg/L

Units

Units

Result 1980 Result

RPD

1550

10

Date: 06/11/2010 05 14 PM

REPORT OF LABORATORY ANALYSIS

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CABOT-EPA 007117

Page 55 of 58

DIM0228350 DIM0227454



QUALIFIERS

Project: 2H/4H
Pace Project No: 3028135

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable

U - Indicates the compound was analyzed for, but not detected

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is NELAP accredited. Contact your Pace PM for the current list of accredited analytes.

LABORATORIES

PASI-PA Pace Analytical Services - Greensburg

WORKORDER QUALIFIERS

WO. 3028135

[1] This project was revised on 6/11/10 in order to Jflag dissolved Tl.

BATCH QUALIFIERS

Batch: OEXT/4955

[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume

Batch: OEXT/4956

[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

Batch: OEXT/4957

[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

ANALYTE QUALIFIERS

D6	The relative percent difference (RPD)) between the sample and sample duplicate exceeded laboratory control limits.
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H6 Analysis initiated more than 15 minutes after sample collection.

L0 Analyte recovery in the laboratory control sample (LCS) was outside QC limits

L1 Analyte recovery in the laboratory control sample (LCS) was above QC limits Results for this analyte in associated samples may be biased high.

Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.

M0 Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits

M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

R1 RPD value was outside control limits.

SU MBAS, calculated as LAS, Mol wt 342.2 g/mol

Date: 06/11/2010 05:14 PM

REPORT OF LABORATORY ANALYSIS

Page 56 of 58

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CABOT-EPA 007118



Pace Analytical Services, Inc.

1638 Roseytown Road - Suites 2,3,4

Greensburg, PA 15601

(724)850-5600

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project⁻

2H/4H

Pace Project No: 3028135

3028135002 MW-4 EPA 3510 OEXT/4955 EPA 8015B Modified GCSV/2511	Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
1928135003 MW-1	3028135001	MW-2	EPA 3510	OEXT/4955	EPA 8015B Modified	GCSV/2511
19028135001 MW-2	3028135002	MW-4	EPA 3510	OEXT/4955	EPA 8015B Modified	GCSV/2511
3028135002 MW-4	3028135003	MVV-1	EPA 3510	OEXT/4955	EPA 8015B Modified	GCSV/2511
PA 5030/8015 MOW.1	3028135001	MW-2	EPA 5030/8015 Mod.	GCV/1348		
3028135004 TRIP BLANK	3028135002	MW-4	EPA 5030/8015 Mod.	GCV/1348		
3028135001 MW-2	3028135003	MW-1	EPA 5030/8015 Mod.	GCV/1348		
S028135002 MW-4	3028135004	TRIP BLANK	EPA 5030/8015 Mod.	GCV/1348		
3028135003 MW-4	3028135001	MW-2	EPA 3005	MPRP/3905	EPA 6010B	ICP/3502
3028135001 MW-2 EPA 3005 MPRP/3904 EPA 6010 ICP/3501 3028135002 MW-4 EPA 3005 MPRP/3904 EPA 6010 ICP/3501 3028135003 MW-1 EPA 3005 MPRP/3904 EPA 6010 ICP/3501 3028135003 MW-1 EPA 3005 MPRP/3904 EPA 6010 ICP/3501 3028135001 MW-2 EPA 7470 MERP/1943 EPA 7470 MERC/1896 3028135002 MW-4 EPA 7470 MERP/1943 EPA 7470 MERC/1896 3028135003 MW-1 EPA 7470 MERP/1943 EPA 7470 MERC/1896 3028135001 MW-2 EPA 7470 MERP/1943 EPA 7470 MERC/1896 3028135001 MW-4 EPA 7470 MERP/1942 EPA 7470 MERC/1895 3028135002 MW-4 EPA 7470 MERP/1942 EPA 7470 MERC/1895 3028135002 MW-4 EPA 7470 MERP/1942 EPA 7470 MERC/1895 3028135001 MW-2 EPA 7470 MERP/1942 EPA 7470 MERC/1895 3028135001 MW-2 EPA 7470 MERP/1942 EPA 7470 MERC/1895 3028135001 MW-2 EPA 3510 OEXT/4957 EPA 8270 by SIM MSSW/2125 3028135003 MW-1 EPA 3510 OEXT/4957 EPA 8270 by SIM MSSW/2125 3028135003 MW-1 EPA 3510 OEXT/4957 EPA 8270 by SIM MSSW/2125 3028135003 MW-1 EPA 3510 OEXT/4957 EPA 8270 by SIM MSSW/2125 3028135002 MW-4 EPA 3510 OEXT/4957 EPA 8270 by SIM MSSW/2125 3028135002 MW-4 EPA 3510 OEXT/4956 EPA 8270 MSSW/2126 3028135002 MW-4 EPA 3510 OEXT/4956 EPA 8270 MSSW/2126 3028135002 MW-4 EPA 3510 OEXT/4956 EPA 8270 MSSW/2126 3028135002 MW-4 EPA 8260 MSW/5909 3028135002 MW-4 EPA 8260 MSW/5909 3028135002 MW-4 EPA 8260 MSW/5909 3028135002 MW-4 EPA 8260 MSW/5909 3028135002 MW-4 EPA 8260 MSW/5909 3028135002 MW-4 EPA 8260 MSW/5909 3028135002 MW-4 EPA 8260 MSW/5909 3028135002 MW-4 EPA 8260 MSW/5909 3028135002 MW-4 EPA 8260 MSW/5909 3028135002 MW-4 EPA 8260 MSW/5909 3028135002 MW-4 EPA 8260 MSW/5909 3028135002 MW-4 EPA 8260 MSW/5909 3028135002 MW-4 EPA 8260 MSW/5909 MW-1 EPA 8260 MSW/5909 3028135002 MW-4 EPA 8260 MSW/5909 MW-1 EPA 8260 MSW/5909 3028135002 MW-4 EPA 8260 MSW/5909 MW-1 EPA 8260 MSW/5909 MW-1 EPA 8260 MSW/5909 MW-1 EPA 8260 MSW/5909 MW-1 EPA 8260 MSW/5909 MW-1 EPA 8260 MSW/5909 MW-1 EPA 8260 MSW/5909 MW-1 EPA 8260 MSW/5909 MSW/1 EPA 8260 MSW/5909 MSW/1 EPA 8260 MSW/5909 MW-1 EPA 8260 MSW/5909 MSW/1 EPA 8260 MSW/5909 MSW/1 EPA 8260 MSW/5909 MSW/1 EPA 8260 MSW/5909 MSW/1 EPA 8260 MSW/59	3028135002	MW-4	EPA 3005	MPRP/3905	EPA 6010B	ICP/3502
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3028135004 TRIP BLANK EPA 8260 MSV/5909 3028135001 MW-2 EPA 1664A WET/5704 3028135002 MW-4 EPA 1664A WET/5704 3028135003 MW-1 EPA 1664A WET/5705 3028135002 MW-4 EPA 1664A WET/5705 3028135003 MW-1 EPA 1664A WET/5705 3028135001 MW-2 SM 2310B WET/5692 3028135002 MW-4 SM 2310B WET/5692 3028135003 MW-1 SM 2310B WET/5692 3028135001 MW-2 SM 2320B WET/5691 3028135003 MW-4 SM 2320B WET/5691 3028135003 MW-1 SM 2320B WET/5691	3028135002	MW-4	EPA 8260	MSV/5909		
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3028135001 MW-2 SM 2540C WET/5710	3028135003	MW-1	SM 2320B	WET/5691		
	3028135001	MW-2	SM 2540C	WET/5710		

Date: 06/11/2010 05:14 PM

REPORT OF LABORATORY ANALYSIS

Page 57 of 58

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CABOT-EPA 007119



QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project:

2H/4H

Pace Project No.:

3028135

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytica Batch
3028135002	MW-4	SM 2540C	WET/5710		
3028135003	MW-1	SM 2540C	WET/5710		
3028135001	MW-2	SM 4500-H+B	WET/5681		
3028135002	MW-4	SM 4500-H+B	WET/5681		
3028135003	MW-1	SM 4500-H+B	WET/5681		
3028135001	MW-2	SM 5540C	WET/5680		
3028135002	MW-4	SM 5540C	WET/5680		
3028135003	MW-1	SM 5540C	WET/5680		
3028135001	MW-2	EPA 350.1	WETA/4321		
3028135002	MW-4	EPA 350.1	WETA/4321		
3028135003	MW-1	EPA 350 1	WETA/4321		
3028135001	MW-2	SM 4500-CI-E	WETA/4311		
3028135002	MW-4	SM 4500-CI-E	WETA/4311		
3028135003	MW-1	SM 4500-CI-E	WETA/4311		

Date. 06/11/2010 05:14 PM

REPORT OF LABORATORY ANALYSIS

Page 58 of 58

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CABOT-EPA 007120



LABORATORY REPORT

Client

Pace Analytical 1638 Roseytown Road Greensburg, PA 15601

> Order Number 1007678

Project Number 3028135

Issued Wednesday, May 26, 2010

Total Number of Pages

4 (excluding C.O.C. and cooler receipt form)

Approved By:

QA Manager

NELAC Accreditation #E87688

"Analytical Integrity" · EPA Certified · NELAP Certified
3310 Win Street · Cuyahoga Falls, Ohio 44223 · Phone: 330-253-8211 · Fax: 330-253-4489

Web Site: www.settek.com

CABOT-EPA 007121



2

Sample Summary

Client: <u>Pace Analytical</u> Order Number: <u>1007678</u>

Laboratory ID	Client ID	Matrix	Sampling Date
1007678-01	3028135-001	Liquid	5/20/2010
1007678-02	3028135-002	Liquid	5/20/2010
1007678-03	3028135-003	Liquid	5/20/2010

"Analytical Integrity" - EPA Certified - NELAP Certified
3310 Win Street - Cuyahoga Falls, Ohio 44223 - Phone: 330-253-8211 - Fax: 330-253-4489

Web Site: www.settek.com

CABOT-EPA 007122



3

Report Narrative

Client: Pace Analytical Order Number: 1007678

No problems were encountered during analysis of this order number, except as noted.

Data Qualifiers:

B = Analyte found in the method blank

J = Estimated concentration of analyte between MDL (LOD) and Reporting Limit (LOQ)

C = Analyte has been confirmed by another instrument or method

E = Analyte exceeds the upper limit of the calibration curve.

D = Sample or extract was analyzed at a higher dilution

X = User defined data qualifier.

S = Surrogate out of control limits

U = Undetected

a = Not Accredited by NELAC

ND = Non Detected at LOQ

DF = Dilution Factor

Limit Of Quantitation (LOQ) = Laboratory Reporting Limit (not adjusted for dilution factor) Limit Of Detection (LOD) = Laboratory Detection Limit

Estimated uncertainty values are available upon request.

The test results meet the requirements of the NELAC standard, except where noted. The information contained in this analytical report is the sole property of Summit Environmental Technologies, Inc. and that of the client. It cannot be reproduced in any form without the consent of Summit Environmental Technologies, Inc. or the client for which this report was issued. The results contained in this report are only representative of the samples received. Conditions can vary at different times and at different sampling conditions. Summit Environmental Technologies, Inc. is not responsible for use or interpretation of the data included herein.

Matrices:

A = Air C = Cream

DW = Drinking Water

L = Liquid

O = Oil

SL = Sludge SO = Soil S = Solid T = Tablet

TC = TCLP Extract

WW = Waste Water

W = Wipe

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CABOT-EPA 007123



May 26, 2010

Client: Pace Analytical Address: 1638 Roseytown Road

Greensburg, PA 15601

Received: 5/25/2010 Project #: 3028135

Client [D#	Lab ID# Collected Analyte 1007678-01 20-May-10 Ethylene glycol	<u>Result</u>	Units Matrix Method DF LOQ	Run Analyst
3028135-001		ND	mg/L L 8015 1 10	25-May-10 JBN
Client ID#	<u>Lab ID#</u> <u>Collected</u> <u>Analyte</u>	<u>Result</u>	Units Matrix Method DF LOQ mg/L L 8015 1 10	Run Analyst
3028135-002	1007678-02 20-May-10 Ethylene glycol	ND		25-May-10 JBN
Client ID# 3028135-003	<u>Lab ID# Collected Analyte</u> 1007678-03 20-May-10 Ethylene glycol	<u>Result</u> ND	Units Matrix Method DF LOQ mg/L L 8015 1 10	Run Analyst 25-May-10 JBN

Page 4

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CABOT-EPA 007124

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1	Pace Ana	lytical*
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Section A	A Client Informati	on·
Company:	URS	Lorp

CHAIN-OF-CUSTODY / Analytical Request Document The Chain-of-Custody is a LEGAL DOCUMENT. At relevant fields must be completed accurately.

www.pacesaoa.com				-	
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fumps: (a) By signing this form you are accepting P	ace's NET 30 day payment terms and	l agreeing to tate charges of 1.5% per month	or orces not paid within 30 mays	-	F-ALL-Q-020rev.07, 15-M 2007

Sa	mple Condition	Upon Receipt		
Pace Analytical Client Name	· URS	·	Project # <u>30</u>	28135
Courier: Fed Ex UPS USPS Clie Tracking #: Custody Seal on Cooler/Box Present: yes		Pace Other	Optional Proj. Due D Proj. Name	1
Packing Material Bubble Wrap	Bags 🔲 None	Other		
Thermometer Used 3 (5)	Type of Ice: (Wet	Blue None	amples on ice, cooling	process has begun
Cooler Temperature Temp should be above freezing to 6°C	Biological Tissue	is Frozen: Yes No Comments:	Date and Initials of contents:	
Chain of Custody Present:	(☑Yes □No □N/A	1		
Chain of Custody Filled Out.	(Æ)yes □No □N/A	2.		
Chain of Custody Relinquished:	ÜYÇS □NO □N/A	3.		
Sampler Name & Signature on COC:	☐Yes □No □N/A	4.		
Samples Arrived within Hold Time:	(Diffe)s □No □N/A	5.		
Short Hold Time Analysis (<72hr):	OVes ONO ONA	6. Ph	MBAJ	
Rush Turn Around Time Requested:	(Tyes ONO ONA	7. 30	las	
Sufficient Volume:	(□yes □No □N/A	8.		
Correct Containers Used:	(Àriges □No □N/A	9.		
-Pace Containers Used:	(Dryes DNo DN/	\downarrow		
Containers Intact:	(Tyes Ono On/	10		
Filtered volume received for Dissolved tests	□Yes (□N/) □N//	11.		
Sample Labels match COC:	(Myes □No □N//	12.		
-Includes date/time/ID/Analysis Matrix:	JAR.			
All containers needing preservation have been checked	(Yes) □No □N/	A 13.		
All containers needing preservation are found to be in compliance with EPA recommendation.	□Xes □No □N/	4		
exceptions: (VOA), coliform, TOC (O&G/WI-DRO (water)	□Yes □No	Initial when completed	Lot # of added preservative	
Samples checked for dechlorination:		3 14.		
Headspace in VOA Vials (>6mm):	□Yes(□N) □N/	A 15.		
Trip Blank Present:	□ No □N/	A 16.		
Trip Blank Custody Seals Present	DY96 DNO DNA	A		
Pace Trip Blank Lot # (if purchased):				
Client Notification/ Resolution: Person Contacted: Comments/ Resolution:		e/Time:	Field Data Required?	Y / N
Project Manager Review:				14/10

Note. Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. out of hold, incorrect preservative, out of temp, incorrect containers)

F-ALLC003-4 23Feb2010

Chain of Custody

<u> </u>							Sı		Project No.: O. No: ASR-	
	e Analytical Services							Anaiy	sis Due Date:	ASAP
						Certificati	ion Required:		PA Cert	
Pace Analytical www.bacelabs.com Request Date: 5/24/10 Analysi Pace Analytical Services, Inc. Shipped By: Fed Ex 1638 Roseytown Road Suites 2,3, & 4 Certification Required: Greensburg, PA 15601 Pace Project No.: Pace Project No.: PAX: (724) 850-5601 Page 1 of 1 Report/invoice to:	3028135 Tim Reed									
П		Matrix:	1 1	Time:		Analysis Requested:			Detection Limits:	Units Requested:
	3028125003	- W1	5/20/10		Ethylene Glycol					
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Reli	nquised By:	2	(Filishop)			Received By		(Acre)		(Data) (Time)
Reli	nquised By:		, 			Received By	119	DXA	- 5/21	110 11:00
Com	ments:	(Signature & A	filiation)		(Date) (Time)		(Signature & Aff	iliation	,	(Date) (Time)
								·····	ASR (C015-	0 31July2007)

DIM0227454

Summit Environmental Technologies, Inc. Cooler Receipt Form

DALE	Ond-		1007670	
Client: PAC	. Urder	Respired: (c)	100	, <u>,</u>
Date Necewes.		Neceived	<u>, v v </u>	
~^	•			
	_	•	Other:	
Packaging: Peaputs Bubble	Wap Paper	Foam None	Other:	
Tape on cooler/box:	(y)	N	N/A	
Custody Seals intact	Cy /	N	N/A	
C-O-C in plastic	(A)	N	N/A	
fce Blue ice	prese	nt / absent / me	ited N/A	
Sample Temperature	3	<u>· ○</u> •c	N/A	
C-O-C filled out properly	φ	N	N/A	
Samples in separate bags	\bigcirc	N	N/A	
Sample containers intact* .	\odot	N	N/A	
*If no, list broken sample(s):				
Sample label(s) complete (ID, date, etc.)	0	N	N/A	
Tape on cooler/box: Custody Seals intact N N/A C-O-C in plastic N N/A Ice Blue ice present / absent / melted N/A Sample Temperature C-O-C filled out properly N N/A Samples in separate bags N N/A Sample containers intact* Y N N/A *If no, list broken sample(s):				
Number of Coolera/Boxes:		٠		
Number of Coolera/Boxes:				
Bubbles absent from 40 mL vials**	Y	N	(N/A)	
** Samples with bubbles less than the size of a	pea are accep	otable.		
Was client contacted about samples	Y	N	•	
Will client send new samples	Y	N		
Olient contact:				
Date/Time:		TO THE STREET		
ogged in by:		-		
comments:				
Number of Coolers/Boxes: N/A Shipper: FED EX (UPS) DHL Airborne US Postal Walk-in Pickup Other: Packaging: Peaputs Bubble Wfap Paper Foam None Other: N/A Tape on cooler/box: N/A Custody Seals intact N/A Co-O-C in plastic N/A Sample Temperature Present / absent / melted N/A Sample Temperature Present / absent / melted N/A Samples in separate bags N/A Samples in separate bags N/A Sample containers intact* N/A *If no, list broken sample(s): Sample label(s) complete (ID, date, etc.) N/A *If no, list broken sample received N/A Sufficient sample received N/A Sufficient sample received N/A Sufficient sample received N/A Samples with bubbles less than the size of a pea are acceptable. Was client contacted about samples Y/N Mil client send new samples Y/N Client contact: Date/Time: Cogged in by:				

Rev. 6



ANALYTICAL & ENVIRONMENTAL LABORATORIES, INC.

May 26, 2010

James Pinta URS Corporation Foster Plaza 4 501 Holiday Drive, Suite 300 Pittsburgh, PA 15220 Date Sampled: 20-May-10
Time Sampled: 13:00
Date Received: 20-May-10

Time Received: 21:15

Sampled by: Amanda Bayne - URS

MW-2

PARAMETER	RESULT	UNITS	METHOD	ANALYZED	TIME
Total Coliform	1080	cfu/ 100 ml	SM ₂₀ 9222 B	20-May-10	21:35
Fecal Coliform	600	cfu/ 100 ml	SM ₂₀ 9222 B	20-May-10	21:35
Fecal Coliform	620	cfu/ 100 ml	SM ₂₀ 9222 D	20-May-10	21:15
Fecal Strep	14	cfu/ 100 ml	SM ₂₀ 9230 C	20-May-10	21:45

Virgil Runco Microbiology Supervisor

DICKSON CITY INDUSTRIAL PARK 824 ENTERPRISE STREET DICKSON CITY, PA 18519-1593

PHONE: (570) 489-6964

FAX: (570) 489-6965



CABOT-EPA 007130



ANALYTICAL & ENVIRONMENTAL LABORATORIES, INC.

May 26, 2010

James Pinta URS Corporation Foster Plaza 4 501 Holiday Drive, Suite 300 Pittsburgh, PA 15220 Date Sampled: 20-May-10 Time Sampled: 14:00 Date Received: 20-May-10

Time Received: 21:15
Sampled by: Amanda Bayne - URS

MW-4

PARAMETER	RESULT	UNITS	METHOD	ANALYZED	TIME
Total Coliform	800	cfu/ 100 ml	SM ₂₀ 9222 B	20-May-10	21:35
Fecal Coliform	800	cfu/ 100 ml	SM ₂₀ 9222 B	20-May-10	21:35
Fecal Coliform	600	cfu/ 100 ml	SM ₂₀ 9222 D	20-May-10	21:15
Fecal Strep	180	cfu/ 100 ml	SM ₂₀ 9230 C	20-May-10	21:45

Virgil Runco Microbiology Supervisor

DICKSON CITY INDUSTRIAL PARK 824 ENTERPRISE STREET DICKSON CITY, PA 18519-1593

PHONE: (570) 489-6964

FAX: (570) 489-6965



CABOT-EPA 007131

QUANTUM

ANALYTICAL & ENVIRONMENTAL LABORATORIES, INC.

May 26, 2010

James Pinta URS Corporation Foster Plaza 4 501 Holiday Drive, Suite 300 Pittsburgh, PA 15220 Date Sampled: 20-May-10 Time Sampled: 15:45 Date Received: 20-May-10 Time Received: 21:15

Sampled by: Amanda Bayne - URS

•

MW-1

PARAMETER	RESULT	UNITS	METHOD	ANALYZED	TIME
Total Coliform	110	cfu/ 100 ml	SM ₂₀ 9222 B	20-May-10	21:35
Fecal Coliform	30	cfu/ 100 ml	SM ₂₀ 9222 B	20-May-10	21:35
Fecal Coliform	30	cfu/ 100 ml	SM ₂₀ 9222 D	20-May-10	21:15
Fecal Strep	84	cfu/ 100 ml	SM ₂₀ 9230 C	20-May-10	21;45

Virgil Runco Microbiology Supervisor

DICKSON CITY INDUSTRIAL PARK 824 ENTERPRISE STREET DICKSON CITY, PA 18519-1593

PHONE: (570) 489-6964

FAX: (570) 489-6965



CABOT-EPA 007132

Special Requirements	Y (الا					J			1	ne: (5) port 10:		-		Pinta e		0) 489- ' . Lorr	-
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PCRA UST FORM				son City In							tma	ndc_	Ba	400	e usu	rp .com	ο	
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FORM 43			Dick	son City, Pi	A 18519-11	593		Alore To CHINE WAY	-co-volume	£333	one: 4	わ-5	03-	470	> Fax: 41	2-503	-470	1
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DIM0227454



June 11, 2010

Mr. Jim Pinta **URS** Corporation Foster Plaza 4 501 Holiday Drive, Suite 300 Pittsburgh, PA 15220

RE: Project:

2H/4H

Pace Project No.: 3028907

Dear Mr. Pinta:

Enclosed are the analytical results for sample(s) received by the laboratory on June 04, 2010. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Timothy Reed

timothy.reed@pacelabs.com

Project Manager

Enclosures

REPORT OF LABORATORY ANALYSIS

Page 1 of 56

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CABOT-EPA 007134

DIM0228367 DIM0227454



CERTIFICATIONS

Project:

2H/4H

Pace Project No.:

3028907

Pennsylvania Certification IDs 1638 Roseytown Road Suites 2,3&4 Greensburg, PA

15601
Wyoming Certification #: 8TMS-Q
Wisconsin/PADEP Certification
West Virginia Certification #: 143
Washington Certification #: C1941
Virginia Certification # 00112
Virgin Island/PADEP Certification
Utah/NELAC Certification # ANTE
Texas/NELAC Certification #: T104704188-09 TX
Tennessee Certification #: TN2867
South Daylot Cartification

South Dakota Certification Puerto Rico Certification #: PA01457
Pennsylvania/NELAC Certification #: 65-00282
Oregon/NELAC Certification #: PA200002 North Carolina Certification # 42706 New York/NELAC Certification #. 10888

New Mexico Certification
New Jersey/NELAC Certification #: PA 051
New Hampshire/NELAC Certification #: 2976

Nevada Certification Montana Certification #. Cert 0082 Missouri Certification #. 235

Michigan/PADEP Certification Massachusetts Certification #: M-PA1457 Maryland Certification #: 308 Maine Certification #: 306
Maine Certification # PA0091
Louisiana/NELAC Certification #: LA080002
Louisiana/NELAC Certification #: 4086
Kentucky Certification #: 90133
Kansas/NELAC Certification #. E-10358 Iowa Certification #: 391 Indiana/PADEP Certification Illinois/PADEP Certification Idaho Certification Hawaii/PADEP Certification Guarn/PADEP Certification Florida/NELAC Certification #. E87683 Delaware Certification Connecticut Certification #. PH 0694 Colorado Certification California/NELAC Certification #. 04222CA
Arkansas Certification Arizona Certification #: AZ0734 Alabama Certification #: 41590

REPORT OF LABORATORY ANALYSIS

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Page 2 of 56

DIM0228368

CABOT-EPA 007135

DIM0227454



SAMPLE ANALYTE COUNT

Project.

2H/4H

Pace Project No.: 3028907

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
3028907001	MW-1	EPA 8015B Modified	CWB	2	PASI-PA
		EPA 5030/8015 Mod.	MAK	2	PASI-PA
		EPA 6010B	ŞAB	24	PASI-PA
		EPA 6010	SAB	24	PASI-PA
		EPA 7470	CTS	1	PASI-PA
		EPA 7470	SAB	1	PASI-PA
		EPA 8270 by SIM	SPL	19	PASI-PA
		EPA 8270	SPL	75	PASI-PA
		EPA 8260	EAC	54	PASI-PA
		EPA 1664A	DLH	1	PASI-PA
		EPA 1664A	DLH	1	PASI-PA
		SM 2310B	JMC	1	PASI-PA
		SM 2320B	JMC	1	PASI-PA
		SM 2540C	JMC	1	PASI-PA
		SM 4500-H+B	JMC	1	PASI-PA
		SM 5540C	DLD	1	PASI-PA
		EPA 350.1	DJT	1	PASI-PA
		SM 4500-CI-E	DJT	1	PASI-PA
028907002	MW-X	EPA 8015B Modified	CWB	2	PASI-PA
		EPA 5030/8015 Mod.	MAK	2	PASI-PA
		EPA 6010B	SAB	24	PASI-PA
		EPA 6010	SAB	24	PASI-PA
		EPA 7470	CTS	1	PASI-PA
		EPA 7470	SAB	1	PASI-PA
		EPA 8270 by SIM	SPL	19	PASI-PA
		EPA 8270	SPL	75	PASI-PA
		EPA 8260	EAC	54	PASI-PA
		EPA 1664A	DLH	1	PASI-PA
		EPA 1664A	DLH	1	PASI-PA
		SM 2310B	JMC	1	PASI-PA
		SM 2320B	JMC	1	PASI-PA
		SM 2540C	JMC	1	PASI-PA
		SM 4500-H+B	JMC	1	PASI-PA
		SM 5540C	DLD	1	PASI-PA
		EPA 350.1	DJT	1	PASI-PA
		SM 4500-CI-E	DJT	1	PASI-PA
3028907003	MW-2	EPA 8015B Modified	CWB	2	PASI-PA

REPORT OF LABORATORY ANALYSIS

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CABOT-EPA 007136

Page 3 of 56



SAMPLE ANALYTE COUNT

Project.

2H/4H

Pace Project No:

3028907

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 5030/8015 Mod.	MAK		PASI-PA
		EPA 6010B	SAB	24	PASI-PA
		EPA 6010	SAB	24	PASI-PA
		EPA 7470	CTS	1	PASI-PA
		EPA 7470	SAB	1	PASI-PA
		EPA 8270 by SIM	SPL	19	PASI-PA
		EPA 8270	SPL	75	PASI-PA
		EPA 8260	EAC	54	PASI-PA
		EPA 1664A	DLH	1	PASI-PA
		EPA 1664A	DLH	1	PASI-PA
		SM 2310B	JMC	1	PASI-PA
		SM 2320B	JMC	1	PASI-PA
		SM 2540C	JMC	1	PASI-PA
		SM 4500-H+B	JMC	1	PASI-PA
		SM 5540C	DLD	1	PASI-PA
		EPA 350.1	DJT	1	PASI-PA
		SM 4500-CI-E	DJT	1	PASI-PA
028907004	MW-4	EPA 8015B Modified	CWB	2	PASI-PA
		EPA 5030/8015 Mod.	MAK	2	PASI-PA
		EPA 6010B	SAB	24	PASI-PA
		EPA 6010	SAB	24	PASI-PA
		EPA 7470	CTS	1	PASI-PA
		EPA 7470	SAB	1	PASI-PA
		EPA 8270 by SIM	SPL	19	PASI-PA
		EPA 8270	SPL	75	PASI-PA
		EPA 8260	EAC	54	PASI-PA
		EPA 1664A	DLH	1	PASI-PA
		EPA 1664A	DLH	1	PASI-PA
		SM 2310B	JMC	1	PASI-PA
		SM 2320B	JMC	1	PASI-PA
		SM 2540C	JMC	1	PASI-PA
		SM 4500-H+B	JMC	1	PASI-PA
		SM 5540C	DLD	1	PASI-PA
		EPA 350.1	DJT	1	PASI-PA
		SM 4500-CI-E	DJT	1	PASI-PA
3028907005	TRIP BLANK	EPA 8260	EAC	54	PASI-PA

REPORT OF LABORATORY ANALYSIS

Page 4 of 56

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CABOT-EPA 007137



ANALYTICAL RESULTS

Project. 2H/4H

Pace Project No. 3028907 Sample: MW-1 Lab ID: 3028907001 Collected: 06/03/10 14:30 Received. 06/04/10 14:30 Matrix, Water DF Parameters Results Units Report Limit Prepared Analyzed CAS No. Qual Analytical Method, EPA 8015B Modified Preparation Method, EPA 3510 8015 GCS THC-Diesel Diesel Components 0.11 06/08/10 10:16 06/08/10 22.02 59 % 50-150 06/08/10 10.16 06/08/10 22:02 84-15-1 o-Terphenyl (S) 1 **Gasoline Range Organics** Analytical Method: EPA 5030/8015 Mod TPH (C06-C10) ND ug/L 200 06/10/10 16:05 109 % 70-130 06/10/10 16:05 460-00-4 4-Bromofluorobenzene (S) 6010 MET ICP Analytical Method: EPA 6010B Preparation Method. EPA 3005 Aluminum 3170 ug/L 50.0 06/07/10 19 27 06/10/10 11.45 7429-90-5 ND ug/L 5.0 06/07/10 19:27 06/10/10 11:45 7440-36-0 Antimony 1 ND ug/L 5.0 06/07/10 19 27 06/10/10 11:45 7440-38-2 Arsenic 181 ug/L Barium 10.0 06/07/10 19:27 06/10/10 11:45 7440-39-3 Beryllium ND ug/L 1.0 06/07/10 19:27 06/10/10 11:45 7440-41-7 06/07/10 19:27 06/10/10 11:45 7440-42-8 Boron ND ug/L 50.0 Cadmium ND ug/L 1.0 06/07/10 19:27 06/10/10 11:45 7440-43-9 40500 ug/L 06/07/10 19:27 06/10/10 11:45 7440-70-2 Calcium 1000 Chromium 5.6 ug/L 5.0 06/07/10 19:27 06/10/10 11:45 7440-47-3 ND ug/L 5.0 06/07/10 19.27 06/10/10 11.45 7440-48-4 Cobalt Copper ND ug/L 5.0 06/07/10 19:27 06/10/10 11:45 7440-50-8 3950 ug/L 50.0 06/07/10 19.27 06/10/10 11:45 7439-89-6 Iron Lead 5.2 ug/L 2.0 06/07/10 19:27 06/10/10 11:45 7439-92-1 9090 ug/L 200 06/07/10 19.27 06/10/10 11:45 7439-95-4 Magnesium 1 Manganese 128 ug/L 50 06/07/10 19:27 06/10/10 11:45 7439-96-5 ND ug/L Molybdenum 20.0 06/07/10 19:27 06/10/10 11:45 7439-98-7 Nickel ND ug/L 10 0 06/07/10 19:27 06/10/10 11:45 7440-02-0 Potassium 2570 ug/L 500 06/07/10 19:27 06/10/10 11:45 7440-09-7 Selenium ND ug/L 50 06/07/10 19.27 06/10/10 11:45 7782-49-2 Silver ND ug/L 06/07/10 19:27 06/10/10 14:42 7440-22-4 1.0 Sodium 7460 ug/L 1000 06/07/10 19:27 06/10/10 11:45 7440-23-5 Thallium ND ug/L 10.0 06/07/10 19:27 06/10/10 11:45 7440-28-0 06/07/10 19 27 06/10/10 11:45 7440-62-2 Vanadium ND ug/L 5.0 Zinc ND ug/L 10.0 06/07/10 19:27 06/10/10 11:45 7440-66-6 6010 MET ICP, Lab Filtered Analytical Method. EPA 6010 Preparation Method. EPA 3005 Aluminum, Dissolved ND ug/L 50.0 06/08/10 16:14 06/10/10 14:43 7429-90-5 Antimony, Dissolved 5.7 ug/L 5.0 06/08/10 16:14 06/10/10 14:43 7440-36-0 ND ug/L 06/08/10 16:14 06/10/10 14:43 7440-38-2 Arsenic, Dissolved 5.0 Barium, Dissolved 108 ug/L 10.0 06/08/10 16:14 06/10/10 14:43 7440-39-3 ND ug/L Beryllium, Dissolved 1.0 06/08/10 16:14 06/10/10 14:43 7440-41-7 Boron, Dissolved ND ug/L 50.0 06/08/10 16:14 06/10/10 14.43 7440-42-8 Cadmium, Dissolved ND ug/L 06/08/10 16:14 06/10/10 14:43 7440-43-9 1.0 Calcium, Dissolved 40100 ug/L 1000 06/08/10 16:14 06/10/10 14:43 7440-70-2

Date 06/11/2010 05.13 PM

Chromium, Dissolved

Cobalt, Dissolved

Copper, Dissolved

Iron, Dissolved

REPORT OF LABORATORY ANALYSIS

5.0

5.0

50

50.0

ND ug/L

ND ug/L

ND ug/L

ND ua/L

Page 5 of 56

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CABOT-EPA 007138

06/08/10 16:14 06/10/10 14:43 7440-47-3

06/08/10 16:14 06/10/10 14:43 7440-48-4

06/08/10 16:14 06/10/10 14:43 7440-50-8

06/08/10 16:14 06/10/10 14.43 7439-89-6



ANALYTICAL RESULTS

Project:

Pace Project No.: 3028907

2H/4H

Sample: MW-1	Lab ID: 3028907001	Collected 06/03/1	0 14:30	Received: 06	/04/10 14:30 M	latrix: Water	
Parameters	Results Units	Report Limit	DF	Prepared	Analyzed	CAS No	Qua
6010 MET ICP, Lab Filtered	Analytical Method. EPA	6010 Preparation Meth	nod: EP/	A 3005			
Lead, Dissolved	ND ug/L	2.0	1	06/08/10 16.14	06/10/10 15:33	7439-92-1	
Magnesium, Dissolved	8690 ug/L	200	1	06/08/10 16 14	06/10/10 14:43	7439-95-4	
Manganese, Dissolved	34.0 ug/L	50	1	06/08/10 16:14	06/10/10 14 43	7439-96-5	
Molybdenum, Dissolved	ND ug/L	20.0	1	06/08/10 16:14	06/10/10 14:43	7439-98-7	
Nickel, Dissolved	ND ug/L	10.0	1	06/08/10 16:14	06/10/10 14:43	7440-02-0	
Potassium, Dissolved	1620 ug/L	500	1	06/08/10 16:14	06/10/10 14:43	7440-09-7	
Selenium, Dissolved	ND ug/L	5.0	1	06/08/10 16:14	06/10/10 14:43	7782-49-2	
Silver, Dissolved	ND ug/L	1.0	1	06/08/10 16:14	06/10/10 15:33	7440-22-4	
Sodium, Dissolved	7400 ug/L	1000	1	06/08/10 16:14	06/10/10 14:43	7440-23-5	
Thallium, Dissolved	ND ug/L	10.0	1	06/08/10 16.14	06/10/10 14:43	7440-28-0	
Vanadium, Dissolved	ND ug/L	5.0	1	06/08/10 16 14	06/10/10 14.43	7440-62-2	
Zinc, Dissolved	ND ug/L	10.0	1	06/08/10 16.14	06/10/10 14:43	7440-66-6	
7470 Mercury	Analytical Method: EPA	7470 Preparation Meth	nod: EP/	A 7470			
Mercury	ND ug/L	0.20	1	06/07/10 13:50	06/08/10 05:38	7439-97-6	
7470 Mercury, Lab Filtered	Analytical Method: EPA	7470 Preparation Meth	nod. EP	A 7470			
Mercury, Dissolved	ND ug/L	0 20	1	06/09/10 16· 5 2	06/10/10 01:50	7439-97-6	
8270 MSSV PAH by SIM	Analytical Method EPA	8270 by SIM Preparati	ion Met	nod: EPA 3510			
Acenaphthene	ND ug/L	2.7	1	06/08/10 10:15	06/09/10 12:07	83-32-9	
Acenaphthylene	ND ug/L	2.7	1	06/08/10 10 15	06/09/10 12.07	208-96-8	
Anthracene	ND ug/L	0.22	1	06/08/10 10.15	06/09/10 12:07	120-12-7	
Benzo(a)anthracene	ND ug/L	0.22	1	06/08/10 10:15	06/09/10 12:07	56-55-3	
Benzo(a)pyrene	ND ug/L	0.22	1	06/08/10 10:15	06/09/10 12:07	50-32-8	
Benzo(b)fluoranthene	ND ug/L	0.22	1	06/08/10 10:15	06/09/10 12:07	205-99-2	
Benzo(g,h,i)perylene	ND ug/L	0 22	1	06/08/10 10:15	06/09/10 12:07	191-24-2	
Benzo(k)fluoranthene	ND ug/L	0 22	1	06/08/10 10 15	06/09/10 12:07	207-08-9	
Chrysene	ND ug/L	0 22	1	06/08/10 10:15	06/09/10 12:07	218-01-9	
Dibenz(a,h)anthracene	ND ug/L	0.22	1	06/08/10 10.15	06/09/10 12:07	53-70-3	
Fluoranthene	ND ug/L	0.22	1	06/08/10 10:15	06/09/10 12:07	206-44-0	
Fluorene	ND ug/L	0.22	1	06/08/10 10:15	06/09/10 12:07	86-73-7	
Indeno(1,2,3-cd)pyrene	ND ug/L	0 22	1	06/08/10 10:15	06/09/10 12:07	193-39- 5	
Naphthalene	ND ug/L	1.1	1	06/08/10 10·15	06/09/10 12:07	91-20-3	
Phenanthrene	ND ug/L	0 22	1	06/08/10 10:15	06/09/10 12.07	85-01-8	
Pyrene	ND ug/L	0 22	1	06/08/10 10.15	06/09/10 12.07	129-00-0	
Nitrobenzene-d5 (S)	66 %	35-114	1	06/08/10 10.15	06/09/10 12:07	4165-60-0	
2-Fluorobiphenyl (S)	58 %	43-116	1	06/08/10 10:15	06/09/10 12:07	321-60-8	
Terphenyl-d14 (S)	78 %	33-141	1	06/08/10 10:15	06/09/10 12:07	1718-51-0	
8270 MSSV Semivolatile Organic	Analytical Method: EPA	8270 Preparation Met	hod: EP	A 3510			
Acenaphthene	ND ug/L	1.1	1	06/08/10 10.13	06/08/10 16 40	83-32-9	
Acenaphthylene	ND ug/L	1.1	1		06/08/10 16 40		
Anthracene	ND ug/L	1.1	1		06/08/10 16.40		
Azobenzene	ND ug/L	1.1	1		06/08/10 16.40		
	ND ug/L	1.1	1	06/08/10 10:13		.00 00 0	

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REPORT OF LABORATORY ANALYSIS

Page 6 of 56

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CABOT-EPA 007139



ANALYTICAL RESULTS

Project:

2H/4H

Pace Project No.: 3028907

Sample: MW-1	Lab ID: 302	8907001	Collected: 06/03/	10 14:30	Received. 06	3/04/10 14·30 N	Matrix Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qua
8270 MSSV Semivolatile Organic	Analytical Meth	nod: EPA 82	270 Preparation Met	hod: EF	A 3510			
Benzo(a)pyrene	ND ug		1.1	1	06/08/10 10:13	06/08/10 16.40	50-32-8	
Benzo(b)fluoranthene	ND ug	/L	1.1	1	06/08/10 10:13	06/08/10 16:40	205-99-2	
Benzo(g,h,i)perylene	ND ug	/L	1.1	1	06/08/10 10:13	06/08/10 16 40	191-24-2	
Benzo(k)fluoranthene	ND ug	/L	1.1	1	06/08/10 10:13	06/08/10 16:40	207-08-9	
Benzoic acid	ND ug	/L	110	1	06/08/10 10.13	06/08/10 16:40	65-85-0	
Benzyl alcohol	ND ug	/L	1.1	1	06/08/10 10:13	06/08/10 16:40	100-51-6	
4-Bromophenylphenyl ether	ND ug	/L	1.1	1		06/08/10 16:40		
Butylbenzylphthalate	ND ug	/L	1.1	1	06/08/10 10:13	06/08/10 16:40	85-68-7	
Carbazole	ND ug	/L	1.1	1		06/08/10 16:40		
4-Chloro-3-methylphenol	ND ug		1.1	1	06/08/10 10:13	06/08/10 16.40	59-50-7	
4-Chloroaniline	ND ug	/L	1.1	1		06/08/10 16:40		
bis(2-Chloroethoxy)methane	ND ug	/L	1.1	1		06/08/10 16:40		
bis(2-Chloroethyl) ether	ND ug		1.1	1		06/08/10 16:40		
bis(2-Chloroisopropyl) ether	ND ug	/L	1.1	1	06/08/10 10:13	06/08/10 16.40	108-60-1	
2-Chloronaphthalene	ND ug	/L	1.1	1		06/08/10 16:40		
2-Chlorophenol	ND ug	/L	1.1	1		06/08/10 16:40		
4-Chlorophenylphenyl ether	ND ug		1.1	1		06/08/10 16:40		
Chrysene	ND ug		1.1	1		06/08/10 16.40	-	
Dibenz(a,h)anthracene	ND ug		1.1	1		06/08/10 16:40		
Dibenzofuran	ND ug		1,1	1		06/08/10 16.40		
1,2-Dichlorobenzene	ND ug		1,1	1		06/08/10 16:40		
1,3-Dichlorobenzene	ND ug		1.1	1		06/08/10 16:40		
1,4-Dichlorobenzene	ND ug		1.1	1		06/08/10 16:40		
3,3'-Dichlorobenzidine	ND ug		1.1	1		06/08/10 16 40		
2,4-Dichlorophenal	ND ug		1.1	1		06/08/10 16:40		
Diethylphthalate	ND ug		1,1	1		06/08/10 16:40		
2,4-Dimethylphenol	ND ug		1,1	1		06/08/10 16:40		
Dimethylphthalate	ND ug		1.1	1		06/08/10 16:40		
Di-n-butylphthalate	ND ug		1.1	1		06/08/10 16.40		
4,6-Dinitro-2-methylphenol	ND ug		2.7	i		06/08/10 16:40		
2,4-Dinitrophenol	ND ug		2.7	1		06/08/10 16:40		
2,4-Dinitrotoluene	ND ug		1.1	1		06/08/10 16:40		
2,6-Dinitrotoluene	ND ug		1.1	1		06/08/10 16:40		
Di-n-octylphthalate	ND ug		1.1	i		06/08/10 16:40		
bis(2-Ethylhexyl)phthalate	ND ug		1.1	1		06/08/10 16:40		
Fluoranthene	ND ug		1.1	1		06/08/10 16:40		
Fluorene	ND ug		1.1	1		06/08/10 16:40		
Hexachloro-1,3-butadiene	ND ug		1.1	1		06/08/10 16:40		
Hexachlorobenzene	ND ug		1.1	1		06/08/10 16:40		
Hexachlorocy clopentadiene	ND ug		1.1	1		06/08/10 16:40		
Hexachloroethane	ND ug		1.1	1		06/08/10 16:40		
Indeno(1,2,3-cd)pyrene	ND ug		1.1	1		06/08/10 16:40		
Isophorone	ND ug		1.1	1		06/08/10 16:40		
1-Methylnaphthalene	ND ug		1.1	1				
2-Methylnaphthalene	ND ug.		1.1	1		06/08/10 16:40		
2-Methylphenol(o-Cresol)	ND ug		1.1	1		06/08/10 16:40		
3&4-Methylphenol(m&p Cresol)	ND ug.		2.2	1	06/08/10 10:13	06/08/10 16:40	95 -4 8-/	

Date: 06/11/2010 05:13 PM

REPORT OF LABORATORY ANALYSIS

Page 7 of 56

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CABOT-EPA 007140



(724)850-5600

ANALYTICAL RESULTS

Project:

2H/4H

Pace Project No.: 3028907

Sample: MW-1	Lab ID: 3028907	'001 Collected: 06/03/1	0 14.30	Received. 06	/04/10 14:30 N	latrix [.] Water	
Parameters	Results I	Units Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method.	EPA 8270 Preparation Meth	nod. EP/	A 3510			
Naphthalene	ND ug/L	1.1	1	06/08/10 10:13	06/08/10 16:40	91-20-3	
2-Nitroaniline	ND ug/L	2.7	1	06/08/10 10:13	06/08/10 16:40	88-74-4	
3-Nitroaniline	ND ug/L	2.7	1	06/08/10 10:13	06/08/10 16:40	99-09-2	
4-Nitroaniline	ND ug/L	27	1	06/08/10 10.13	06/08/10 16:40	100-01-6	
Nitrobenzene	ND ug/L	1.1	1	06/08/10 10.13	06/08/10 16:40	98-95-3	
2-Nitrophenol	ND ug/L	1.1	1	06/08/10 10:13	06/08/10 16:40	88-75-5	
4-Nitrophenol	ND ug/L	1.1	1	06/08/10 10:13	06/08/10 16:40	100-02-7	
N-Nitrosodimethylamine	ND ug/L	1.1	1	06/08/10 10:13	06/08/10 16:40	62-75-9	
N-Nitroso-di-n-propylamine	ND ug/L	1.1	1	06/08/10 10:13	06/08/10 16 40	621-64-7	
N-Nitrosodiphenylamine	ND ug/L	1.1	1	06/08/10 10:13	06/08/10 16 40	86-30-6	
Pentachlorophenol	ND ug/L	2.7	1	06/08/10 10:13	06/08/10 16:40	87-86-5	
Phenanthrene	ND ug/L	1.1	1	06/08/10 10:13	06/08/10 16:40	85-01- 8	
Phenol	ND ug/L	1.1	1	06/08/10 10 13	06/08/10 16.40	108-95-2	
Pyrene	ND ug/L	1.1	1	06/08/10 10:13	06/08/10 16 40	129-00-0	
1,2,4-Trichlorobenzene	ND ug/L	1.1	1	06/08/10 10:13	06/08/10 16:40	120-82-1	
2,4,5-Trichlorophenol	ND ug/L	2.7	1	06/08/10 10:13	06/08/10 16:40	95-95-4	
2,4,6-Trichlorophenol	ND ug/L	1.1	1	06/08/10 10 13	06/08/10 16:40	88-06-2	
Nitrobenzene-d5 (S)	65 %	35-114	1		06/08/10 16:40		
2-Fluorobiphenyl (S)	55 %	43-116	1		06/08/10 16:40		
Terphenyl-d14 (S)	87 %	33-141	1		06/08/10 16:40		
Phenol-d6 (S)	20 %	10-110	1		06/08/10 16.40		
2-Fiuorophenol (S)	33 %	21-110	1		06/08/10 16:40		
2,4,6-Tribromophenol (S)	56 %	10-123	1		06/08/10 16:40		
8260 MSV	Analytical Method:	EPA 8260					
1,1,1-Trichloroethane	ND ug/L	1.0	1		06/08/10 18:08	71-55-6	
1,1,2,2-Tetrachioroethane	ND ug/L	1.0	1		06/08/10 18:08	79-34-5	
1,1,2-Trichloroethane	ND ug/L	1.0	1		06/08/10 18 08		
1,1-Dichloroethane	ND ug/L	1.0	1		06/08/10 18 08	75-34-3	
1,1-Dichloroethene	ND ug/L	1.0	1		06/08/10 18:08		
1,2,4-Trichlorobenzene	ND ug/L	1.0	1		06/08/10 18:08	120-82-1	
1,2,4-Trimethylbenzene	ND ug/L	1.0	1		06/08/10 18 08	95-63-6	
1,2-Dichlorobenzene	ND ug/L	1.0	1		06/08/10 18.08		
1,2-Dichloroethane	ND ug/L	1.0	1		06/08/10 18:08		
1,2-Dichloroethene (Total)	ND ug/L	2.0	1		06/08/10 18:08		
1,2-Dichloropropane	ND ug/L	1.0	i		06/08/10 18.08		
1,3,5-Trimethylbenzene	ND ug/L	1.0	1		06/08/10 18 08		
1,3-Dichlorobenzene	ND ug/L	1.0	1		06/08/10 18:08		
1,4-Dichlorobenzene	ND ug/L	1.0	1		06/08/10 18:08		
2-Butanone (MEK)	ND ug/L	10.0	1		06/08/10 18:08		
2-Hexanone	ND ug/L	10.0	i		06/08/10 18.08		
4-Methyl-2-pentanone (MIBK)	ND ug/L	10.0	i		06/08/10 18:08		
Acetone	ND ug/L	10 0	i		06/08/10 18:08		
/ 10010116	-	1.0	1		06/08/10 18:08		
Renzene						1 174074	
Benzene	ND ug/L						
Benzene Bromochloromethane Bromodichloromethane	ND ug/L ND ug/L ND ug/L	1.0 1.0	1		06/08/10 18.08 06/08/10 18 08	74-97-5	

Date: 06/11/2010 05:13 PM

REPORT OF LABORATORY ANALYSIS

Page 8 of 56

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CABOT-EPA 007141



ANALYTICAL RESULTS

Project.

2H/4H

Pace Project No.: 3028907

Sample: MW-1	Lab ID: 3028907001	Collected: 06/03/10	14:30	Received. 06/04/10 14:30 Matrix: Water	-
Parameters	Results Units	Report Limit	DF	Prepared Analyzed CAS No	Qual
8260 MSV	Analytical Method: EPA 826	60			
Bromomethane	ND ug/L	1.0	1	06/08/10 18 08 74-83-9	
Carbon disulfide	ND ug/L	1.0	1	06/08/10 18:08 75-15-0	
Carbon tetrachloride	ND ug/L	1.0	1	06/08/10 18:08 56-23-5	
Chlorobenzene	ND ug/L	1.0	1	06/08/10 18:08 108-90-7	
Chloroethane	ND ug/L	1.0	1	06/08/10 18:08 75-00-3	
Chloroform	ND ug/L	1.0	1	06/08/10 18.08 67-66-3	
Chloromethane	ND ug/L	1.0	1	06/08/10 18:08 74-87-3	
Dibromochloromethane	ND ug/L	1.0	1	06/08/10 18.08 124-48-1	
Ethylbenzene	ND ug/L	1.0	1	06/08/10 18:08 100-41-4	
Isopropylbenzene (Cumene)	ND ug/L	1.0	1	06/08/10 18:08 98-82-8	
Methyl-tert-butyl ether	ND ug/L	1.0	1	06/08/10 18.08 1634-04-4	
Methylene Chloride	ND ug/L	1.0	1	06/08/10 18:08 75-09-2	
Naphthalene	ND ug/L	2.0	1	06/08/10 18.08 91-20-3	
Styrene	ND ug/L	1.0	1	06/08/10 18:08 100-42-5	
Tetrachloroethene	ND ug/L	1.0	1	06/08/10 18.08 127-18-4	
Toluene	ND ug/L	10	1	06/08/10 18:08 108-88-3	
Trichloroethene	ND ug/L	1.0	1	06/08/10 18:08 79-01-6	
Vinyl chloride	ND ug/L	1.0	1	06/08/10 18.08 75-01-4	
Xylene (Total)	ND ug/L	3.0	1	06/08/10 18:08 1330-20-7	
cis-1,2-Dichloroethene	ND ug/L	1.0	1	06/08/10 18.08 156-59-2	
cis-1,3-Dichloropropene	ND ug/L	1.0	1	06/08/10 18:08 10061-01-5	
m&p-Xylene	ND ug/L	2.0	1	06/08/10 18.08 179601-23	-1
n-Butylbenzene	ND ug/L	1.0 1.0	1 1	06/08/10 18:08 104-51-8	
n-Propylbenzene o-Xylene	ND ug/L	1.0	1	06/08/10 18:08 103-65-1 06/08/10 18:08 95-47-6	
p-Isopropyltoluene	ND ug/L	1.0	1	06/08/10 18:08 99-87-6	
sec-Butylbenzene	ND ug/L ND ug/L	1.0	1	06/08/10 18:08 99-87-8	
trans-1,2-Dichloroethene	ND ug/L	1.0	1	06/08/10 18:08 156-60-5	
trans-1,3-Dichloropropene	ND ug/L	1.0	1	06/08/10 18:08 10061-02-6	:
4-Bromofluorobenzene (S)	97 %	70-130	i	06/08/10 18 08 460-00-4	•
1,2-Dichloroethane-d4 (S)	99 %	70-130	1	06/08/10 18.08 17060-07-0)
Toluene-d8 (S)	101 %	70-130	1	06/08/10 18 08 2037-26-5	•
HEM, Oil and Grease	Analytical Method: EPA 166	54A			
Oil and Grease	ND mg/L	5.2	1	06/08/10 17.47	
1664 SGT-HEM, TPH	Analytical Method: EPA 166	54A			
Total Petroleum Hydrocarbons	ND mg/L	5.2	1	06/08/10 17 ⁻ 44	
2310B Acidity, Total	Analytical Method: SM 231	0B			
Acidity, Total	ND mg/L	10.0	1	06/09/10 21.00	
2320B Alkalinity	Analytical Method. SM 232	0B			
Alkalinity, Total as CaCO3	50.0 mg/L	10.0	1	06/07/10 19.31	

Date: 06/11/2010 05:13 PM

REPORT OF LABORATORY ANALYSIS

Page 9 of 56

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CABOT-EPA 007142



ANALYTICAL RESULTS

Project:

2H/4H

Pace Project No.: 3028907

Sample: MW-1	Lab ID: 3028907001 Collect	cted 06/03/1	0 14:30	Received 06/04/10 14:3	0 Matrix: Water	
Parameters	Results Units R	leport Limit	DF	Prepared Analyz	ed CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method, SM 2540C					
Total Dissolved Solids	266 mg/L	10 0	1	06/07/10	8:35	
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B					
pH at 25 Degrees C	7.6 Std Units	10	1	06/08/10	9:16	H6
5540C MBAS Surfactants	Analytical Method: SM 5540C					
Surfactants	ND mg/L	0.10	1	06/04/10	5 55	
350.1 Ammonia, Distilled	Analytical Method: EPA 350.1					
Ammonia, Distilled	ND mg/L	0.10	1	06/10/10	1:18	
4500 Chloride	Analytical Method: SM 4500-CI-E					
Chloride	11.0 mg/L	3.0	1	06/08/10	0:41 16887-00-6	

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REPORT OF LABORATORY ANALYSIS

Page 10 of 56

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CABOT-EPA 007143



ANALYTICAL RESULTS

Project: 2H/4H

Pace Project No.: 3028907

Sample: MW-X	Lab ID:	3028907002	Collected.	06/03/1	0 14:45	Received: 06	3/04/10 14:30	Matrix: Water	
Parameters	Results	Units	Repo	rt Limit	DF	Prepared	Analyzed	CAS No	Qua
8015 GCS THC-Diesel	Analytical	Method: EPA 80	015B Modifie	ed Prepa	ration M	ethod: EPA 3510	0		
Diesel Components	NI	D mg/L		0.11	1	06/08/10 10:16	06/08/10 22.2	16	
p-Terphenyl (S)	5	5 %		50-150	1	06/08/10 10:16	06/08/10 22:2	6 84-15-1	
Gasoline Range Organics	Analytical	Method. EPA 5	030/8015 M	od					
TPH (C06-C10)	NI	D u g/ L		200	1		06/10/10 16.2	.2	
4-Bromofluorobenzene (S)	11	6 %		70-130	1		06/10/10 16:2	22 460-00-4	
6010 MET ICP	Analytical	Method: EPA 6	010B Prepa	ration Me	ethod: Ef	PA 3005			
Aluminum	288	0 ug/L		50.0	1	06/07/10 19:27	06/10/10 11·5	7429-90-5	
Antimony	N	D ug/L		5.0	1	06/07/10 19 27	06/10/10 11:5	7 7440-36-0	
Arsenic	N	D ug/L		5.0	1	06/07/10 19:27	06/10/10 11:5	7440-38-2	
Barium		0 ug/L		10.0	1	06/07/10 19.27	06/10/10 11:5	7440-39-3	
Beryllium		D ug/L		1.0	1	06/07/10 19:27			
Boron		D ug/L		50.0	i	06/07/10 19:27			
Cadmium		Dug/L		1.0	1	06/07/10 19:27			
Calcium		0 ug/L		1000	1	06/07/10 19:27			
Chromium		1 ug/L		5.0	1	06/07/10 19.27			
		•			1				
Cobalt		Dug/L		5.0		06/07/10 19:27			
Copper		D ug/L		5.0	1	06/07/10 19.27			
ron		0 ug/L		50 0	1	06/07/10 19:27			
_ead		3 ug/L		2.0	1	06/07/10 19.27			
Magnesium	926	i 0 ug/L		200	1	06/07/10 19:27	06/10/10 11:5	7439-95-4	
Manganese	12	17 ug/L		5.0	1	06/07/10 19:27	06/10/10 11:5	7439-96-5	
Molybdenum	N	D ug/L		20.0	1	06/07/10 19:27	06/10/10 11.5	7439-98-7	
Nickel	N	D ug/L		10.0	1	06/07/10 19:27	06/10/10 11:5	7440-02-0	
Potassium	252	0 ug/L		500	1	06/07/10 19.27	06/10/10 11:5	7440-09-7	
Selenium	N	D ug/L		5.0	1	06/07/10 19.27	06/10/10 11:5	7 7782-49-2	
Silver		D ug/L		1.0	1	06/07/10 19:27	06/10/10 15	00 7440-22-4	
Sodium		60 ug/L		1000	1	06/07/10 19.27			
Thallium		D ug/L		10.0	1	06/07/10 19 27			
Vanadium		D ug/L		5.0	1		06/10/10 11:5		
Zinc		D ug/L		10.0	1		7 06/10/10 11:5		
6010 MET ICP, Lab Filtered		Method, EPA 6	i010 Prepar				00/10/10 11:0	7440 00-0	
,	•			50. 0	1		06/10/10 14:	55 7/20-00.5	
Aluminum, Dissolved		D ug/L							
Antimony, Dissolved		D ug/L		5.0	1		06/10/10 14:		
Arsenic, Dissolved		D ug/L		5.0	1		06/10/10 14.		
Barium, Dissolved)8 ug/L		10.0	1		06/10/10 14:		
Beryllium, Dissolved		D ug/L		1.0	1		06/10/10 14.		
Boron, Dissolved		.2 ug/L		50.0	1		06/10/10 14:		
Cadmium, Dissolved		D ug/L		1.0	1		1 06/10/10 14.		
Calcium, Dissolved	3970	0 ug/L		1000	1	06/08/10 16:14	06/10/10 14:	55 7440-70-2	
Chromium, Dissolved	N	D ug/L		5.0	1	06/08/10 16 14	06/10/10 14.	55 7440-47-3	
Cobalt, Dissolved	N	D ug/L		5.0	1	06/08/10 16:14	06/10/10 14:	55 7440-48-4	
Copper, Dissolved		D ug/L		5.0	1	06/08/10 16:14	06/10/10 14.	55 7440-50-8	
Iron, Dissolved	N	D ug/L		50.0	1	06/08/10 16:14	06/10/10 14	55 7/30_80_6	

Date: 06/11/2010 05:13 PM

REPORT OF LABORATORY ANALYSIS

Page 11 of 56

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CABOT-EPA 007144



ANALYTICAL RESULTS

Project:

2H/4H

Pace Project No.: 3028907

Sample: MW-X	Lab ID: 30289070	O2 Collected. 06/03/1	0 14:45	Received. 06	/04/10 14:30 M	latrix: Water	
Parameters	Results Ur	nts Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Lab Filtered	Analytical Method: El	PA 6010 Preparation Met	nod: EP	A 3005			
Lead, Dissolved	ND ug/L	2.0	1	06/08/10 16:14	06/10/10 15.51	7439-92-1	
Magnesium, Dissolved	8630 ug/L	200	1	06/08/10 16:14	06/10/10 14:55	7439-95-4	
Manganese, Dissolved	39.4 ug/L	5.0	1	06/08/10 16:14	06/10/10 14:55	7439-96-5	
Molybdenum, Dissolved	ND ug/L	20.0	1	06/08/10 16:14	06/10/10 14:55	7439-98-7	
Nickel, Dissolved	ND ug/L	10.0	1	06/08/10 16:14	06/10/10 14:55	7440-02-0	
Potassium, Dissolved	1650 ug/L	500	1	06/08/10 16:14	06/10/10 14.55	7440-09-7	
Selenium, Dissolved	ND ug/L	5.0	1	06/08/10 16:14	06/10/10 14:55	7782-49-2	
Silver, Dissolved	ND ug/L	1.0	1	06/08/10 16:14	06/10/10 15:51	7440-22-4	
Sodium, Dissolved	7610 ug/L	1000	1	06/08/10 16:14	06/10/10 14:55	7440-23-5	
Thallium, Dissolved	ND ug/L	10.0	1	06/08/10 16:14	06/10/10 14:55	7440-28-0	
Vanadium, Dissolved	ND ug/L	5.0	1	06/08/10 16:14	06/10/10 14:55	7440-62-2	
Zinc, Dissolved	ND ug/L	10.0	1	06/08/10 16:14	06/10/10 14:55	7440-66-6	
7470 Mercury	Analytical Method E	PA 7470 Preparation Met	nod: EP	A 7470			
Mercury	ND ug/L	0.20	1	06/07/10 13.50	06/08/10 05:43	7439-97-6	
7470 Mercury, Lab Filtered	Analytical Method: E	PA 7470 Preparation Met	hod. EP	A 7470			
Mercury, Dissolved	ND ug/L	0.20	1	06/09/10 16·52	06/10/10 01.55	7439-97-6	
270 MSSV PAH by SIM	Analytical Method: E	PA 8270 by SIM Preparat	ion Met	hod: EPA 3510			
Acenaphthene	ND ug/L	2.7	1	06/08/10 10:15	06/09/10 12:33	83-32-9	
Acenaphthylene	ND ug/L	2.7	1	06/08/10 10:15	06/09/10 12:33	208-96-8	
Anthracene	ND ug/L	0.22	1	06/08/10 10:15	06/09/10 12:33	120-12-7	
Benzo(a)anthracene	ND ug/L	0 22	1	06/08/10 10:15	06/09/10 12:33	56-55-3	
Benzo(a)pyrene	ND ug/L	0 22	1	06/08/10 10:15	06/09/10 12:33	50-32-8	
Benzo(b)fluoranthene	ND ug/L	0.22	1	06/08/10 10:15	06/09/10 12:33	205-99-2	
Benzo(g,h,i)perylene	ND ug/L	0.22	1	06/08/10 10:15	06/09/10 12:33	191-24-2	
Benzo(k)fluoranthene	ND ug/L	0.22	1	06/08/10 10.15	06/09/10 12:33	207-08-9	
Chrysene	ND ug/L	0.22	1	06/08/10 10 15	06/09/10 12:33	218-01-9	
Dibenz(a,h)anthracene	ND ug/L	0.22	1	06/08/10 10.15	06/09/10 12:33	53-70-3	
Fluoranthene	ND ug/L	0.22	1	06/08/10 10.15	06/09/10 12·33	206-44-0	
Fluorene	ND ug/L	0.22	1	06/08/10 10 15	06/09/10 12.33	86-73-7	
ndeno(1,2,3-cd)pyrene	ND ug/L	0.22	1		06/09/10 12:33		
Naphthalene	ND ug/L	1.1	1	06/08/10 10:15	06/09/10 12.33	91-20-3	
Phenanthrene	ND ug/L	0.22	1	06/08/10 10.15	06/09/10 12.33	85-01-8	
Pyrene	ND ug/L	0.22	1		06/09/10 12 33		
Nitrobenzene-d5 (S)	72 %	35-114	1		06/09/10 12.33		
2-Fluorobiphenyl (S)	63 %	43-116	1		06/09/10 12.33		
Terphenyl-d14 (S)	72 %	33-141	1	06/08/10 10·15	06/09/10 12:33	1718-51-0	
3270 MSSV Semivolatile Organic	Analytical Method. E	PA 8270 Preparation Met	hod: EF	PA 3510			
Acenaphthene	ND ug/L	1.1	1	06/08/10 10:13	06/08/10 17.02	83-32-9	
Acenaphthylene	ND ug/L	1.1	1	06/08/10 10:13	06/08/10 17:02	208-96-8	
Anthracene	ND ug/L	1.1	1	06/08/10 10 13	06/08/10 17.02	120-12-7	
Azobenzene	ND ug/L	1.1	1	06/08/10 10.13	06/08/10 17:02	103-33-3	
Benzo(a)anthracene	ND ug/L	1,1	1	06/08/10 10:13	06/08/10 17.02	56-55-3	

Date: 06/11/2010 05:13 PM

REPORT OF LABORATORY ANALYSIS

Page 12 of 56

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CABOT-EPA 007145



ANALYTICAL RESULTS

Project.

2H/4H

Pace Project No: 3028907

Sample: MW-X	Lab ID: 302	8907002	Collected: 06/03/	10 14:45	Received: 06	/04/10 14.30 N	Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qua
8270 MSSV Semivolatile Organic	Analytical Meti	hod: EPA 82	270 Preparation Met	thod: EP	A 3510			
Benzo(a)pyrene	ND ug	/L	1.1	1	06/08/10 10.13	06/08/10 17.02	50-32-8	
Benzo(b)fluoranthene	ND ug	/L	1.1	1	06/08/10 10:13	06/08/10 17:02	205-99-2	
Benzo(g,h,i)perylene	ND ug	/L	1.1	1	06/08/10 10:13	06/08/10 17:02	191-24-2	
Benzo(k)fluoranthene	ND ug	/L	1.1	1	06/08/10 10:13	06/08/10 17:02	207-08-9	
Benzoic acid	ND ug		108	1	06/08/10 10:13	06/08/10 17.02	65-85-0	
Benzyl alcohol	ND ug		1.1	1	06/08/10 10:13	06/08/10 17.02	100-51-6	
4-Bromophenylphenyl ether	ND ug		1.1	1	06/08/10 10:13	06/08/10 17:02	101-55-3	
Butylbenzylphthalate	ND ug		1.1	1		06/08/10 17.02		
Carbazole	ND ug		1.1	1		06/08/10 17:02		
4-Chloro-3-methylphenol	ND ug		11	1		06/08/10 17:02		
4-Chloroaniline	ND ug		1.1	1		06/08/10 17:02		
bis(2-Chloroethoxy)methane	ND ug		1.1	1		06/08/10 17:02		
bis(2-Chloroethyl) ether	ND ug		1.1	1		06/08/10 17:02		
bis(2-Chloroisopropyl) ether	ND ug	-	1.1	1		06/08/10 17:02		
2-Chloronaphthalene	ND ug	•	1.1	1		06/08/10 17:02		
2-Chlorophenol	ND ug		1.1	1		06/08/10 17:02		
4-Chlorophenylphenyl ether	ND ug	•	11	1		06/08/10 17:02		
Chrysene	ND ug	•	1.1	1		06/08/10 17:02		
-	-	-	1.1	1		06/08/10 17:02		
Dibenz(a,h)anthracene	ND ug		1.1	1				
Dibenzofuran	ND ug	-				06/08/10 17 02		
1,2-Dichlorobenzene	ND ug	-	1.1			06/08/10 17:02		
1,3-Dichlorobenzene	ND ug	•	1.1			06/08/10 17:02		
1,4-Dichlorobenzene	ND ug		1.1			06/08/10 17.02		
3,3'-Dichlorobenzidine	ND ug	-	1.1			06/08/10 17:02		
2,4-Dichlorophenol	ND ug	-	1.1	1		06/08/10 17:02		
Diethylphthalate	ND ug	•	1.1			06/08/10 17.02		
2,4-Dimethylphenol	ND ug	="	1,1			06/08/10 17:02		
Dimethylphthalate	ND ug	-	1.1			06/08/10 17:02		
Di-n-butylphthalate	ND ug	-	1.1			06/08/10 17.02		
4,6-Dinitro-2-methylphenol	ND ug	-	2.7			06/08/10 17:02		
2,4-Dinitrophenol	ND ug	-	2.7			06/08/10 17.02		
2,4-Dinitrotoluene	ND uç	g/ L	1.1			06/08/10 17:02		
2,6-Dinitrotoluene	ND uç	g/ L	1.1			06/08/10 17:02		
Di-n-octylphthalate	ND uş	g/L	1.1	1	06/08/10 10.13	06/08/10 17.02	117-84-0	
bis(2-Ethylhexyl)phthalate	ND uş	g/L	1.1		06/08/10 10.13	06/08/10 17.02	117-81-7	
Fluoranthene	ND uç	g/L	1.1	1	06/08/10 10:13	06/08/10 17:02	206-44-0	
Fluorene	ND uş	g/L	1,1	1	06/08/10 10:13	06/08/10 17.02	86-73-7	
Hexachloro-1,3-butadiene	ND ug	g/L	1.1	1	06/08/10 10.13	06/08/10 17.02	87-68-3	
Hexachlorobenzene	ND ug	g/L	1.1	1	06/08/10 10:13	06/08/10 17:02	118-74-1	
Hexachlorocyclopentadiene	ND us	g/L	1.1	1	06/08/10 10:13	06/08/10 17:02	2 77-47-4	
Hexachloroethane	ND u	g/L	1.1	1	06/08/10 10.13	06/08/10 17.02	67-72-1	
Indeno(1,2,3-cd)pyrene	ND ug	·	1.1	1	06/08/10 10.13	06/08/10 17:02	193-39-5	
Isophorone	ND u	_	1.1	1	06/08/10 10:13	06/08/10 17.02	2 78-59-1	
1-Methylnaphthalene	ND u	-	1,1			06/08/10 17.02		
2-Methylnaphthalene	ND u		1.1			06/08/10 17.02		
2-Methylphenol(o-Cresol)	ND u		1.1			06/08/10 17:02		
3&4-Methylphenol(m&p Cresol)	ND u	•	2.2			06/08/10 17:02		

Date: 06/11/2010 05:13 PM

REPORT OF LABORATORY ANALYSIS

Page 13 of 56

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CABOT-EPA 007146



ANALYTICAL RESULTS

Project:

Pace Project No.: 3028907

2H/4H

Sample: MW-X	Lab ID: 3028	907002	Collected. 06/03/1	0 14:45	Received. 06	/04/10 14:30 M	latrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Meth	od: EPA 8	270 Preparation Met	hod EPA	3510			
Naphthalene	ND ug/	'L	1.1	1	06/08/10 10.13	06/08/10 17.02	91-20-3	
2-Nitroaniline	ND ug/	L	2.7	1	06/08/10 10:13	06/08/10 17:02	88-74-4	
3-Nitroaniline	ND ug/	'L	2.7	1	06/08/10 10.13	06/08/10 17:02	99-09-2	
4-Nitroaniline	ND ug/	'L	2.7	1	06/08/10 10:13	06/08/10 17:02	100-01-6	
Nitrobenzene	ND ug/	'L	1.1	1	06/08/10 10.13	06/08/10 17:02	98-95-3	
2-Nitrophenol	ND ug/	'L	1.1	1	06/08/10 10:13	06/08/10 17:02	88-75-5	
4-Nitrophenol	ND ug/	'L	1.1	1	06/08/10 10:13	06/08/10 17:02	100-02-7	
N-Nitrosodimethylamine	ND ug/	'L	1.1	1	06/08/10 10:13	06/08/10 17:02	62-75-9	
N-Nitroso-di-n-propylamine	ND ug/		1.1	1	06/08/10 10:13	06/08/10 17:02	621-64-7	
N-Nitrosodiphenylamine	ND ug		1.1	1	06/08/10 10:13	06/08/10 17:02	86-30-6	
Pentachlorophenol	ND ug/		2.7	1	06/08/10 10:13	06/08/10 17:02	87-86-5	
Phenanthrene	ND ug/		1.1	1		06/08/10 17:02		
Phenol	ND ug/		1.1	1		06/08/10 17:02		
Pyrene	ND ug/		1.1	1		06/08/10 17:02		
1,2,4-Trichlorobenzene	ND ug/		1.1	1		06/08/10 17:02		
2,4,5-Trichlorophenol	ND ug		2.7	1		06/08/10 17:02		
2,4,6-Trichlorophenol	ND ug		1.1	1		06/08/10 17.02		
Nitrobenzene-d5 (S)	66 %	_	35-114	1		06/08/10 17 02		
2-Fluorobiphenyl (S)	59 %		43-116	1		06/08/10 17:02		
Terphenyl-d14 (S)	80 %		33-141	1		06/08/10 17 02		
Phenol-d6 (S)	23 %		10-110	1		06/08/10 17.02		
2-Fluorophenol (S)	33 %		21-110	1		06/08/10 17:02		
2,4,6-Tribromophenal (S)	54 %		10-123	1		06/08/10 17:02		
8260 MSV	Analytical Meth	od: EPA 8	260					
1,1,1-Trichloroethane	ND ug	/I	1.0	1		06/08/10 18:33	71-55-6	
1,1,2,2-Tetrachloroethane	ND ug.		1.0	1		06/08/10 18:33		
1,1,2-Trichloroethane	ND ug		1.0	1		06/08/10 18.33		
1,1-Dichloroethane	ND ug		1.0	1		06/08/10 18:33		
1,1-Dichloroethene	ND ug		1.0	1		06/08/10 18:33		
1,2,4-Trichlorobenzene	ND ug		1.0	1		06/08/10 18 33		
1,2,4-Trimethylbenzene	ND ug		1.0	1		06/08/10 18 33		
1,2-Dichlorobenzene	ND ug		1.0	1		06/08/10 18:33		
1,2-Dichloroethane	ND ug		1.0	1		06/08/10 18.33		
1,2-Dichloroethene (Total)	ND ug		2.0	1		06/08/10 18 33		
1,2-Dichloropropane	ND ug		1.0	1		06/08/10 18.33		
1,3,5-Trimethylbenzene	ND ug		1.0	1		06/08/10 18:33		
1,3-Dichlorobenzene	ND ug		1.0	1		06/08/10 18.33		
1,4-Dichlorobenzene	ND ug		1.0	1		06/08/10 18.33		
2-Butanone (MEK)	ND ug.		10.0	1				
2-Butanone (MEK) 2-Hexanone	ND ug.		10.0 10.0	1		06/08/10 18·33 06/08/10 18·33		
4-Methyl-2-pentanone (MIBK)	-		10.0 10.0	1		06/08/10 18:33		
Acetone	ND ug			1				
	ND ug		10.0			06/08/10 18.33		
Benzene Bromoshloromothese	ND ug		1.0	1		06/08/10 18:33		
Bromochloromethane	ND ug		1.0	1		06/08/10 18:33		
Bromodichloromethane	ND ug		1.0	1		06/08/10 18:33		
Bromoform	ND ug	/L	1.0	1		06/08/10 18:33	75-25-2	

Date: 06/11/2010 05:13 PM

REPORT OF LABORATORY ANALYSIS

Page 14 of 56

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CABOT-EPA 007147



ANALYTICAL RESULTS

Project:

2H/4H

Pace Project No.: 3028907

Sample: MW-X	Lab ID: 3028907002	Collected: 06/03/10	14:45	Received: 0	6/04/10 14:30 N	Matrix; Water	
Parameters	Results Units	Report Limit	DF	Prepared	Analyzed	CAS No	Qual
8260 MSV	Analytical Method. EPA 82	60					
Bromomethane	ND ug/L	1.0	1		06/08/10 18:33	74-83-9	
Carbon disulfide	ND ug/L	1.0	1		06/08/10 18:33	75-15-0	
Carbon tetrachloride	ND ug/L	1.0	1		06/08/10 18.33	56-23-5	
Chlorobenzene	ND ug/L	1.0	1		06/08/10 18:33	108-90-7	
Chloroethane	ND ug/L	1.0	1		06/08/10 18.33	75 - 0 0 -3	
Chloroform	ND ug/L	1.0	1		06/08/10 18:33	67-66-3	
Chioromethane	ND ug/L	1.0	1		06/08/10 18.33	74-87-3	
Dibromochloromethane	ND ug/L	1.0	1		06/08/10 18:33	124-48-1	
Ethylbenzene	ND ug/L	1.0	1		06/08/10 18.33	100-41-4	
Isopropylbenzene (Cumene)	ND ug/L	1.0	1		06/08/10 18:33	98-82-8	
Methyl-tert-butyl ether	ND ug/L	1.0	1		06/08/10 18.33	1634-04-4	
Methylene Chloride	ND ug/L	1.0	1		06/08/10 18:33	75-09-2	
Naphthalene	ND ug/L	2.0	1		06/08/10 18.33	91-20-3	
Styrene	ND ug/L	1.0	1		06/08/10 18:33	100-42-5	
Tetrachloroethene	ND ug/L	10	1		06/08/10 18:33	127-18-4	
Toluene	ND ug/L	1.0	1		06/08/10 18:33	108-88-3	
Trichloroethene	ND ug/L	1.0	1		06/08/10 18.33	79-01-6	
Vinyl chloride	ND ug/L	1.0	1		06/08/10 18:33	75-01-4	
Xylene (Total)	ND ug/L	30	1		06/08/10 18.33	1330-20-7	
cis-1,2-Dichloroethene	ND ug/L	1.0	1		06/08/10 18:33	156-59-2	
cis-1,3-Dichloropropene	ND ug/L	1.0	1		06/08/10 18:33	10061-01-5	
m&p-Xylene	ND ug/L	2.0	1		06/08/10 18:33	179601-23-1	
n-Butylbenzene	ND ug/L	10	1		06/08/10 18.33	104-51-8	
n-Propylbenzene	ND ug/L	1.0	1		06/08/10 18:33	103-65-1	
o-Xylene	ND ug/L	1.0	1		06/08/10 18·33	95-47-6	
p-Isopropyltoluene	ND ug/L	1.0	1		06/08/10 18:33	99-87-6	
sec-Butylbenzene	ND ug/L	1.0	1		06/08/10 18 33	135-98-8	
trans-1,2-Dichloroethene	ND ug/L	1.0	1		06/08/10 18:33	156-60-5	
trans-1,3-Dichloropropene	ND ug/L	1.0	1		06/08/10 18:33	10061-02-6	
4-Bromofluorobenzene (S)	98 %	70-130	1		06/08/10 18.33	460-00-4	
1,2-Dichloroethane-d4 (S)	101 %	70-130	1		06/08/10 18·33	17060-07-0	
Toluene-d8 (S)	100 %	70-130	1		06/08/10 18.33	2037-26-5	
HEM, Oil and Grease	Analytical Method. EPA 16	664A					
Oil and Grease	ND mg/L	5.2	1		06/08/10 17:47	•	
1664 SGT-HEM, TPH	Analytical Method: EPA 16	664A					
Total Petroleum Hydrocarbons	ND mg/L	5.2	1		06/08/10 17:44	ļ	
2310B Acidity, Total	Analytical Method: SM 23	10B					
Acidity, Total	ND mg/L	10.0	1		06/09/10 21:00)	
2320B Alkalinity	Analytical Method, SM 232	20B					
Alkalinity, Total as CaCO3	90.0 mg/L	10.0	1		06/07/10 19 31		

Date: 06/11/2010 05:13 PM

REPORT OF LABORATORY ANALYSIS

Page 15 of 56

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CABOT-EPA 007148



ANALYTICAL RESULTS

Project:

2H/4H

Pace Project No.: 3028907

Sample: MW-X	Lab ID: 3028907002	Collected. 06/03/1	0 14:45	Received: 06/04/10 14:30 M	Matrix: Water
Parameters	Results Units	Report Limit	DF	Prepared Analyzed	CAS No. Qual
2540C Total Dissolved Solids	Analytical Method: SM 254	0C			
Total Dissolved Solids	208 mg/L	10.0	1	06/07/10 18:35	į
4500H+ pH, Electrometric	Analytical Method: SM 450	0-H+B			
pH at 25 Degrees C	7.4 Std. Units	1.0	1	06/08/10 19:16	H6
5540C MBAS Surfactants	Analytical Method: SM 554	0C			
Surfactants	ND mg/L	0.10	1	06/04/10 15:55	i
350.1 Ammonia, Distilled	Analytical Method: EPA 350	0 1			
Ammonia, Distilled	0.12 mg/L	0.10	1	06/10/10 11:19	
4500 Chloride	Analytical Method: SM 450	10-CI-E			
Chloride	11.8 mg/L	3.0	1	06/08/10 10.44	16887-00-6

Date. 06/11/2010 05:13 PM

REPORT OF LABORATORY ANALYSIS

Page 16 of 56

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CABOT-EPA 007149



Pace Analytical *

Pace Analytical Services, Inc. 1638 Roseytown Road - Suites 2,3,4 Greensburg, PA 15601 (724)850-5600

ANALYTICAL RESULTS

Project: 2H/4H

Pace Project No: 3028907

Lab ID: 3028907003 Collected: 06/03/10 16:15 Received: 06/04/10 14:30 Matrix: Water							
Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Analytical Method:	EPA 801	5B Modified Prepa	ration N	Method. EPA 3510	ı		
ND mg/L		0.11	1	06/08/10 10:16	06/08/10 22:50		
73 %		50-150	1	06/08/10 10:16	06/08/10 22 50	84-15-1	
Analytical Method:	EPA 503	30/8015 Mod.					
ND ug/L		200	1		06/10/10 16:39		
110 %		70-130	1		06/10/10 16:39	460-00-4	
Analytical Method:	EPA 601	10B Preparation Me	thod: E	PA 3005			
4680 ug/L		50.0	1	06/07/10 19 [.] 27	06/10/10 12.00	7429-90 - 5	
ND ug/L		5.0	1	06/07/10 19:27	06/10/10 12:00	7440-36-0	
7.4 ug/L		5 0	1	06/07/10 19.27	06/10/10 12:00	7440-38-2	
78.3 ug/L		10.0	1	06/07/10 19:27	06/10/10 12:00	7440-39-3	
ND ug/L		10	1	06/07/10 19:27	06/10/10 12:00	7440-41-7	
ND ug/L		50.0	1	06/07/10 19:27	06/10/10 12:00	7440-42-8	
ND ug/L		1.0	1	06/07/10 19:27	06/10/10 12:00	7440-43-9	
36300 ug/L		1000	1	06/07/10 19.27	06/10/10 12.00	7440-70-2	
289 ug/L		5.0	1	06/07/10 19:27	06/10/10 12:00	7440-47-3	
7.8 ug/L		5.0	1	06/07/10 19 27	06/10/10 12:00	7440-48-4	
8.4 ug/L		5.0	1	06/07/10 19:27	06/10/10 12:00	7440-50 - 8	
10900 ug/L		50.0	1	06/07/10 19.27	06/10/10 12:00	7439-89-6	
7.5 ug/L		2.0	1	06/07/10 19:27	06/10/10 12:00	7439-92-1	
6630 ug/L		200	1	06/07/10 19:27	06/10/10 12:00	7439-95-4	
364 ug/L		5.0	1	06/07/10 19 27	06/10/10 12:00	7439-96-5	
ND ug/L		20 0	1	06/07/10 19:27	06/10/10 12:00	7439-98-7	
145 ug/L		10.0	1	06/07/10 19 27	06/10/10 12.00	7440-02-0	
3120 ug/L		500	1	06/07/10 19:27	06/10/10 12:00	7440-09-7	
ND ug/L		5.0	1	06/07/10 19 27	06/10/10 12:00	7782-49-2	
ND ug/L		10	1	06/07/10 19:27	06/10/10 15:04	7440-22-4	
6120 ug/L		1000	1	06/07/10 19.27	06/10/10 12:00	7440-23-5	
		10 0	1				
•			1				
31.9 ug/L		10.0	1				
Analytical Method	: EPA 60	10 Preparation Met	hod: EF	PA 3005			
ND ug/L		50 0	1	06/08/10 16.14	06/10/10 14:58	7429-90-5	
•		5.0	1				
•							
•							
<u> </u>							
•			1				
•							
-							
-							
•							
IND USIL		5.0	•	06/08/10 16:14	30, 10, 10, 17.00		
	Results Analytical Method: ND mg/L 73 % Analytical Method: ND ug/L 110 % Analytical Method: 4680 ug/L ND ug/L 74. ug/L 78.3 ug/L ND ug/L ND ug/L ND ug/L 10900 ug/L 7.5 ug/L 6630 ug/L 364 ug/L ND ug/L ND ug/L ND ug/L 145 ug/L ND ug/L ND ug/L ND ug/L ND ug/L 145 ug/L ND ug/L ND ug/L ND ug/L ND ug/L ND ug/L ND ug/L 145 ug/L ND ug/L ND ug/L ND ug/L ND ug/L ND ug/L ND ug/L 145 ug/L ND ug/L	Results Units Analytical Method: EPA 80° ND mg/L 73 % Analytical Method: EPA 50° ND ug/L 110 % Analytical Method: EPA 60° 4680 ug/L ND ug/L ND ug/L ND ug/L ND ug/L ND ug/L ND ug/L ND ug/L ND ug/L 36300 ug/L 289 ug/L 7.5 ug/L 6630 ug/L 364 ug/L ND ug/L ND ug/L ND ug/L ND ug/L ND ug/L ND ug/L 3120 ug/L ND ug/L	Results	Results Units Report Limit DF Analytical Method: EPA 8015B Modified Preparation Modified Preparation Modified Preparation Modified ND mg/L 0.11 1 73 % 50-150 1 Analytical Method: EPA 5030/8015 Mod. ND ug/L 200 1 110 % 70-130 1 Analytical Method: EPA 6010B Preparation Method: EPA 6010B Preparation Method: EPA 6010B EPA 6010B Preparation Method: EPA 6010B EPA 6010B Preparation Method: EPA 6010B EPA 6010B	Results	Results	Results

Date. 06/11/2010 05:13 PM

REPORT OF LABORATORY ANALYSIS

Page 17 of 56

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CABOT-EPA 007150



ANALYTICAL RESULTS

Project:

2H/4H

Pace Project No: 3028907

Sample: MW-2	Lab ID: 302890706	3 Collected: 06/03/1	0 16:15	Received. 06	/04/10 14.30 M	atrıx: Water	
Parameters	Results Ur	its Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Lab Filtered	Analytical Method: Ef	A 6010 Preparation Meth	od. EP	A 3005			
Lead, Dissolved	ND ug/L	2.0	1	06/08/10 16:14	06/10/10 15:56	7439-92-1	
Magnesium, Dissolved	4580 ug/L	200	1	06/08/10 16:14	06/10/10 14.58	7439-95-4	
Manganese, Dissolved	41.4 ug/L	5.0	1	06/08/10 16:14	06/10/10 14 58	7439-96-5	
Molybdenum, Dissolved	ND ug/L	20 0	1	06/08/10 16:14	06/10/10 14 58	7439-98-7	
Nickel, Dissolved	ND ug/L	10 0	1	06/08/10 16 14	06/10/10 14 58	7440-02-0	
Potassium, Dissolved	1320 ug/L	500	1	06/08/10 16.14	06/10/10 14.58	7440-09-7	
Selenium, Dissolved	ND ug/L	5.0	1	06/08/10 16.14	06/10/10 14.58	7782-49-2	
Silver, Dissolved	ND ug/L	1.0	1	06/08/10 16:14	06/10/10 15:56	7440-22-4	
Sodium, Dissolved	4970 ug/L	1000	1	06/08/10 16.14	06/10/10 14:58	7440-23-5	
Thallium, Dissolved	ND ug/L	10.0	1	06/08/10 16.14	06/10/10 14:58	7440-28-0	
Vanadium, Dissolved	ND ug/L	5.0	1	06/08/10 16:14	06/10/10 14:58	7440-62-2	
Zinc, Dissolved	ND ug/L	10 .0	1	06/08/10 16:14	06/10/10 14:58	7440-66-6	
470 Mercury	Analytical Method: El	A 7470 Preparation Meth	nod: EP	۹ 7470			
Mercury	ND ug/L	0.20	1	06/07/10 13:50	06/08/10 05:45	7439-97-6	
470 Mercury, Lab Filtered	Analytical Method: El	A 7470 Preparation Meth	od EP	A 7470			
Mercury, Dissolved	ND ug/L	0.20	1	06/09/10 16:52	06/10/10 01:57	7439-97-6	
3270 MSSV PAH by SIM	Analytical Method: El	A 8270 by SIM Preparati	on Meti	nod. EPA 3510			
Acenaphthene	ND ug/L	2.8	1	06/08/10 10:15	06/09/10 12:58	83-32-9	
Acenaphthylene	ND ug/L	2.8	1	06/08/10 10:15	06/09/10 12:58	208-96-8	
Anthracene	ND ug/L	0 22	1	06/08/10 10:15	06/09/10 12:58	120-12-7	
Benzo(a)anthracene	ND ug/L	0 22	1	06/08/10 10:15	06/09/10 12:58	56-55-3	
Benzo(a)pyrene	ND ug/L	0 22	1	06/08/10 10:15	06/09/10 12:58	50-32-8	
Benzo(b)fluoranthene	ND ug/L	0 22	1	06/08/10 10:15	06/09/10 12:58	205-99-2	
Benzo(g,h,i)perylene	ND ug/L	0 22	1	06/08/10 10:15	06/09/10 12:58	191-24-2	
Benzo(k)fluoranthene	ND ug/L	0 22	1	06/08/10 10:15	06/09/10 12:58	207-08-9	
Chrysene	ND ug/L	0 22	1	06/08/10 10:15	06/09/10 12:58	218-01-9	
Dibenz(a,h)anthracene	ND ug/L	0.22	1	06/08/10 10:15	06/09/10 12:58	53-70-3	
Fluoranthene	ND ug/L	0 22	1	06/08/10 10:15	06/09/10 12:58	206-44-0	
Fluorene	ND ug/L	0.22	1	06/08/10 10:15	06/09/10 12:58	86-73-7	
ndeno(1,2,3-cd)pyrene	ND ug/L	0.22	1		06/09/10 12:58		
Naphthalene	ND ug/L	1.1	1		06/09/10 12:58		
Phenanthrene	ND ug/L	0.22	1		06/09/10 12:58		
Pyrene	ND ug/L	0.22	1		06/09/10 12:58		
Nitrobenzene-d5 (S)	76 %	35-114	1		06/09/10 12:58		
2-Fluorobiphenyl (S)	67 %	43-116	1		06/09/10 12.58		
Terphenyl-d14 (S)	83 %	33-141	1		06/09/10 12.58		
8270 MSSV Semivolatile Organic		PA 8270 Preparation Met			00/00/10 12:00	17 10-51-0	
Acenaphthene	ND ug/L	1.1	1		06/08/10 17:24	83-32-0	
Acenaphthylene	ND ug/L	1.1	1		06/08/10 17:24		
. •	-						
Anthracene	ND ug/L	1.1	1		06/08/10 17:24		
Azobenzene	ND ug/L	1.1	1		06/08/10 17:24		
Benzo(a)anthracene	ND ug/L	1.1	1	06/08/10 10:13	06/08/10 17:24	56-55-3	

Date: 06/11/2010 05 13 PM

REPORT OF LABORATORY ANALYSIS

Page 18 of 56

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CABOT-EPA 007151



ANALYTICAL RESULTS

Project.

2H/4H

Pace Project No · 3028907

Sample: MW-2	Lab ID: 302	8907003	Collected: 06	/03/1	0 16.15	Received: 06	/04/10 14:30 M	latrix, Water	
Parameters	Results	Units	Report Lir	mit	DF	Prepared	Analyzed	CAS No	Qua
8270 MSSV Semivolatile Organic	Analytical Met	hod: EPA 82	270 Preparation	Meth	nod: EPA	A 3510			
Benzo(a)pyrene	ND ug	ı/L		1.1	1	06/08/10 10.13	06/08/10 17:24	50-32-8	
Benzo(b)fluoranthene	ND ug	ı/L		1.1	1	06/08/10 10:13	06/08/10 17:24	205-99-2	
Benzo(g,h,i)perylene	ND ug	ı/L		1.1	1	06/08/10 10:13	06/08/10 17:24	191-24-2	
Benzo(k)fluoranthene	ND ug	_J /L		1.1	1	06/08/10 10:13	06/08/10 17:24	207-08-9	
Benzoic acid	ND ug	ı/L		111	1	06/08/10 10:13	06/08/10 17:24	65-85-0	
Benzyl alcohol	ND ug	ı/L		1.1	1	06/08/10 10:13	06/08/10 17.24	100-51-6	
4-Bromophenylphenyl ether	ND ug			1.1	1	06/08/10 10:13	06/08/10 17:24	101-55-3	
Butylbenzylphthalate	ND ug	•		1.1	1	06/08/10 10:13	06/08/10 17.24	85-68-7	
Carbazole	ND ug	•		1.1	1	06/08/10 10:13	06/08/10 17:24	86-74 - 8	
4-Chloro-3-methylphenol	ND ug	•		1.1	1		06/08/10 17.24		
4-Chloroaniline	ND ug			1.1	1		06/08/10 17:24		
bis(2-Chloroethoxy)methane	ND ug	•		1.1	1		06/08/10 17.24		
bis(2-Chloroethyl) ether	ND ug	-		1.1	1		06/08/10 17:24		
bis(2-Chloroisopropyl) ether	ND ug	-		1.1	1		06/08/10 17:24		
2-Chloronaphthalene	ND ug	-		1.1	1		06/08/10 17:24		
2-Chlorophenol	ND ug			1.1	1		06/08/10 17:24		
4-Chlorophenylphenyl ether	ND ug			1.1	1		06/08/10 17:24		
Chrysene	ND ug			1.1	1		06/08/10 17:24		
· ·	-			1.1	1		06/08/10 17:24		
Dibenz(a,h)anthracene	ND ug			1.1	1		06/08/10 17:24		
Dibenzofuran	ND ug			1.1	1				
1,2-Dichlorobenzene	ND ug				-		06/08/10 17:24		
1,3-Dichlorobenzene	ND ug			1.1	1 1		06/08/10 17:24		
1,4-Dichlorobenzene	ND ug	-		1.1	•		06/08/10 17:24		
3,3'-Dichlorobenzidine	ND uş	-		1.1	1		06/08/10 17:24		
2,4-Dichlorophenol	ND ug	-		1.1	1		06/08/10 17:24		
Diethylphthalate	ND ug	•		1.1	1		06/08/10 17:24		
2,4-Dimethylphenol	ND ug			1.1	1		06/08/10 17 24		
Dimethylphthalate	ND uş	-		11	1		06/08/10 17.24		
Di-n-butylphthalate	ND ug	-		1.1	1		06/08/10 17:24		
4,6-Dinitro-2-methylphenol	ND u	-		2.8	1		06/08/10 17.24		
2,4-Dinitrophenol	ND u	-		2.8	1		06/08/10 17:24		
2,4-Dinitrotoluene	ND u			1.1	1		06/08/10 17.24		
2,6-Dinitrotoluene	ND u	-		1.1	1		06/08/10 17:24		
Di-n-octylphthalate	ND u	g/L		1.1	1		06/08/10 17.24		
bis(2-Ethylhexyl)phthalate	5.2 u	g/L		1,1	1	06/08/10 10.13	06/08/10 17:24	117-81-7	
Fluoranthene	ND u	g/L		1.1	1	06/08/10 10:13	06/08/10 17:24	206-44-0	
Fluorene	ND u	g/L		1.1	1	06/08/10 10:13	06/08/10 17:24	86-73-7	
Hexachloro-1,3-butadiene	ND u	g/L		1.1	1	06/08/10 10.13	06/08/10 17:24	87-68-3	
Hexachlorobenzene	ND u	g/L		1.1	1	06/08/10 10:13	06/08/10 17:24	118-74-1	
Hexachlorocyclopentadiene	ND u	g/L,		1.1	1	06/08/10 10:13	06/08/10 17.24	77-47-4	
Hexachloroethane	ND u	g/L		1.1	1	06/08/10 10.13	06/08/10 17:24	67-72-1	
Indeno(1,2,3-cd)pyrene	ND u	g/L		1.1	1	06/08/10 10:13	06/08/10 17 24	193-39-5	
Isophorone	ND u	g/L		1.1	1	06/08/10 10.13	06/08/10 17.24	78-59-1	
1-Methylnaphthalene	ND u	g/L		1.1	1	06/08/10 10:13	06/08/10 17:24	90-12-0	
2-Methylnaphthalene	ND u	_		1.1	1		06/08/10 17 24		
2-Methylphenol(o-Cresol)	ND u	•		1.1	1		06/08/10 17:24		
3&4-Methylphenol(m&p Cresol)	ND u	-		2.2	1		06/08/10 17:24		

Date: 06/11/2010 05:13 PM

REPORT OF LABORATORY ANALYSIS

Page 19 of 56

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CABOT-EPA 007152



ANALYTICAL RESULTS

Project:

2H/4H

Pace Project No: 3028907

Sample: MW-2	Lab ID: 3028907003	Collected. 06/03/1	0 16.15	Received. 06	/04/10 14:30 N	latrix. Water	
Parameters	Results Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qua
8270 MSSV Semivolatile Organic	Analytical Method: EPA	8270 Preparation Meth	nod: EPA	3510			
Naphthalene	ND ug/L	11	1	06/08/10 10:13	06/08/10 17:24	91-20-3	
2-Nitroaniline	ND ug/L	28	1	06/08/10 10:13	06/08/10 17:24	88-74-4	
3-Nitroaniline	ND ug/L	2.8	1	06/08/10 10:13	06/08/10 17:24	99-09-2	
4-Nitroaniline	ND ug/L	28	1	06/08/10 10:13	06/08/10 17:24	100-01-6	
Nitrobenzene	ND ug/L	1.1	1	06/08/10 10:13	06/08/10 17:24	98-95-3	
2-Nitrophenol	ND ug/L	1.1	1	06/08/10 10.13	06/08/10 17:24	88-75-5	
4-Nitrophenol	ND ug/L	1.1	1	06/08/10 10.13	06/08/10 17:24	100-02-7	
N-Nitrosodimethylamine	ND ug/L	1.1	1	06/08/10 10 13	06/08/10 17:24	62-75-9	
N-Nitroso-di-n-propylamine	ND ug/L	1.1	1	06/08/10 10 13	06/08/10 17:24	621-64-7	
N-Nitrosodiphenylamine	ND ug/L	1.1	1	06/08/10 10:13	06/08/10 17:24	86-30-6	
Pentachlorophenol	ND ug/L	2.8	1	06/08/10 10:13	06/08/10 17:24	87-86-5	
Phenanthrene	ND ug/L	1.1	1	06/08/10 10:13	06/08/10 17.24	85-01-8	
Phenol	ND ug/L	1.1	1	06/08/10 10:13	06/08/10 17.24	108-95-2	
Pyrene	ND ug/L	1 1	1	06/08/10 10:13	06/08/10 17:24	129-00-0	
1,2,4-Trichlorobenzene	ND ug/L	1.1	1	06/08/10 10.13	06/08/10 17:24	120-82-1	
2,4,5-Trichlorophenol	ND ug/L	28	1	06/08/10 10 13	06/08/10 17:24	95-95-4	
2,4,6-Trichlorophenol	ND ug/L	1.1	1	06/08/10 10 13	06/08/10 17:24	88-06-2	
Nitrobenzene-d5 (S)	72 %	35-114	1	06/08/10 10:13	06/08/10 17:24	4165-60-0	
2-Fluorobiphenyl (S)	62 %	43-116	1	06/08/10 10:13	06/08/10 17:24	321-60-8	
Terphenyl-d14 (S)	85 %	33-141	1	06/08/10 10:13	06/08/10 17.24	1718-51-0	
Phenol-d6 (S)	22 %	10-110	1	06/08/10 10:13	06/08/10 17:24	13127-88-3	
2-Fluorophenol (S)	35 %	21-110	1	06/08/10 10:13	06/08/10 17:24	367-12-4	
2,4,6-Tribromophenol (S)	61 %	10-123	1	06/08/10 10.13	06/08/10 17:24	118-79-6	
8260 MSV	Analytical Method: EPA	8260					
1,1,1-Trichloroethane	ND ug/L	1.0	1		06/08/10 18 57	71-55-6	
1,1,2,2-Tetrachloroethane	ND ug/L	1.0	1		06/08/10 18 57	79-34-5	
1,1,2-Trichloroethane	ND ug/L	1.0	1		06/08/10 18 57	79-00-5	
1,1-Dichloroethane	ND ug/L	1.0	1		06/08/10 18:57	75-34-3	
1,1-Dichloroethene	ND ug/L	1.0	1		06/08/10 18:57	75-35-4	
1,2,4-Trichlorobenzene	ND ug/L	1.0	1		06/08/10 18:57	120-82-1	
1,2,4-Trimethylbenzene	ND ug/L	1.0	1		06/08/10 18:57	95-63-6	
1,2-Dichlorobenzene	ND ug/L	1.0	1		06/08/10 18:57	95-50-1	
1,2-Dichloroethane	ND ug/L	1.0	1		06/08/10 18:57	107-06-2	
1,2-Dichloroethene (Total)	ND ug/L	20	1		06/08/10 18:57	540-59-0	
1,2-Dichloropropane	ND ug/L	1.0	1		06/08/10 18:57	78-87-5	
1,3,5-Trimethylbenzene	ND ug/L	1.0	1		06/08/10 18:57		
1,3-Dichlorobenzene	ND ug/L	1.0	1		06/08/10 18.57		
1,4-Dichlorobenzene	ND ug/L	1.0	1		06/08/10 18.57		
2-Butanone (MEK)	ND ug/L	10.0	1		06/08/10 18 57		
2-Hexanone	ND ug/L	10.0	1		06/08/10 18 57		
4-Methyl-2-pentanone (MIBK)	ND ug/L	10.0	1		06/08/10 18:57		
Acetone	ND ug/L	10.0	1		06/08/10 18:57		
Benzene	ND ug/L	1.0	1		06/08/10 18:57		
Bromochloromethane	ND ug/L	1.0	1		06/08/10 18:57		
Bromodichloromethane	ND ug/L	1.0	1		06/08/10 18:57		
Bromoform	ND ug/L	1.0	1		06/08/10 18:57		

Date: 06/11/2010 05:13 PM

REPORT OF LABORATORY ANALYSIS

Page 20 of 56

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CABOT-EPA 007153



ANALYTICAL RESULTS

Project:

2H/4H

Pace Project No.: 3028907

Sample: MW-2	Lab ID: 3028907003	Collected. 06/03/10) 16·15	Received: 06/04/10 14:30 Matrix	:: Water
Parameters	Results Units	Report Limit	DF	Prepared Analyzed C	CAS No Qua
3260 MSV	Analytical Method: EPA 82	260			
Bromomethane	ND ug/L	1.0	1	06/08/10 18:57 74-	83-9
Carbon disulfide	ND ug/L	1.0	1	06/08/10 18:57 75-	15-0
Carbon tetrachloride	ND ug/L	1.0	1	06/08/10 18 ⁻ 57 56-	23-5
Chlorobenzene	ND ug/L	10	1	06/08/10 18.57 108	3-90-7
Chloroethane	ND ug/L	1.0	1	06/08/10 18 [.] 57 75-	00-3
Chloroform	ND ug/L	1.0	1	06/08/10 18:57 67-	66-3
Chloromethane	ND ug/L	10	1	06/08/10 18:57 74-	87-3
Dibromochloromethane	ND ug/L	1.0	1	06/08/10 18:57 124	I-48-1
Ethylbenzene	ND ug/L	1.0	1	06/08/10 18.57 100	
sopropylbenzene (Cumene)	ND ug/L	1.0	1	06/08/10 18 ⁻ 57 98-	
Methyl-tert-butyl ether	ND ug/L	1.0	1	06/08/10 18.57 163	
Methylene Chloride	ND ug/L	1.0	1	06/08/10 18:57 75-	
Naphthalene	ND ug/L	2.0	1	06/08/10 18:57 91-	
Styrene	ND ug/L	1.0	1	06/08/10 18 57 100	
Tetrachloroethene	ND ug/L	10	1	06/08/10 18:57 127	
Toluene	ND ug/L	1.0	1	06/08/10 18.57 108	
Trichloroethene	ND ug/L	1.0	1	06/08/10 18:57 79-	
Vinyl chloride	ND ug/L	1.0	1	06/08/10 18.57 75-	
Xylene (Total)	ND ug/L	3.0	1	06/08/10 18 57 133	
cis-1,2-Dichloroethene	ND ug/L	1.0	1	06/08/10 18.57 156	
cis-1,3-Dichloropropene	ND ug/L	1.0	1	06/08/10 18 57 100	
m&p-Xylene	ND ug/L	2.0	1	06/08/10 18:57 179	
n-Butylbenzene	ND ug/L	1.0	1	06/08/10 18.57 104	
n-Propylbenzene	ND ug/L	1.0	1	06/08/10 18:57 103	
o-Xylene	ND ug/L	1.0	1	06/08/10 18 57 95-	
p-Isopropyltoluene	ND ug/L	1.0	1	06/08/10 18:57 99-	
sec-Butylbenzene	ND ug/L	1.0	1 1	06/08/10 18:57 135	
trans-1,2-Dichloroethene	ND ug/L	1.0		06/08/10 18:57 156	
trans-1,3-Dichloropropene	ND ug/L	1.0	1	06/08/10 18.57 100	
4-Bromofluorobenzene (S)	96 %	70-130	1	06/08/10 18:57 460	
1,2-Dichloroethane-d4 (S)	97 % 99 %	70-130 70-130	1 1	06/08/10 18.57 170	
Toluene-d8 (S)			ı	06/08/10 18·57 203	37-20-0
HEM, Oil and Grease	Analytical Method: EPA 1			00/09/40 47:47	
Oil and Grease	ND mg/L	5.0	1	06/08/10 17:47	
Total Batalance Hostoneshau	Analytical Method. EPA 1		4	00/00/40 47 44	
Total Petroleum Hydrocarbons	ND mg/L	5.0	1	06/08/10 17.44	
2310B Acidity, Total	Analytical Method: SM 23			00/00/40 0 : 55	
Acidity, Total	ND mg/L	10.0	1	06/09/10 21:00	
2320B Alkalinity	Analytical Method: SM 23				
Alkalınıty, Total as CaCO3	84.0 mg/L	10.0	1	06/07/10 19 31	

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REPORT OF LABORATORY ANALYSIS

Page 21 of 56

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CABOT-EPA 007154



ANALYTICAL RESULTS

Project:

2H/4H

Pace Project No: 3028907

Sample: MW-2	Lab ID: 3028907003 Co	llected 06/03/1	0 16:15	Received. 06/04	4/10 14:30 N	fatrix: Water	
Parameters	Results Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C						
Total Dissolved Solids	188 mg/L	10.0	1	06	6/07/10 18:35		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H-	+B					
pH at 25 Degrees C	7.3 Std. Units	1 0	1	06	6/08/10 19:16		H6
5540C MBAS Surfactants	Analytical Method: SM 5540C						
Surfactants	ND mg/L	0.10	1	06	6/ 04/10 15 :55		
350.1 Ammonia, Distilled	Analytical Method: EPA 350 1						
Ammonia, Distilled	ND mg/L	0.10	1	06	6/10/10 11 20		
4500 Chloride	Analytical Method: SM 4500-CI	- E					
Chloride	11.3 mg/L	3 0	1	O	6/08/10 10:45	16887-00-6	

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REPORT OF LABORATORY ANALYSIS

Page 22 of 56

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CABOT-EPA 007155



ANALYTICAL RESULTS

Project.

2H/4H

Pace Project No.: 3028907

Sample: MW-4	Lab ID: 30289	07004	Collected: 06/04/	0 08.00	Received: 06	5/04/10 14 30	Matrix, Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qua
8015 GCS THC-Diesel	Analytical Metho	d: EPA 80	015B Modified Prepa	ration N	Method. EPA 3510)		
Diesel Components	ND mg/L	_	0.11	1	06/08/10 10:16	06/08/10 23:14	ļ	
o-Terphenyl (S)	76 %		50-150	1	06/08/10 10 16	06/08/10 23 14	84-15-1	
Gasoline Range Organics	Analytical Metho	d. EPA 50	030/8015 Mod.					
TPH (C06-C10)	ND ug/L		200	1		06/10/10 16.5	l .	
4-Bromofluorobenzene (S)	110 %		70-130	1		06/10/10 16:5	I 460 -0 0-4	
6010 MET ICP	Analytical Metho	d. EPA 6	010B Preparation Me	ethod. E	PA 3005			
Aluminum	859 ug/L		50.0	1	06/07/10 19:27	06/10/10 12:03	3 7429-90-5	
Antimony	5.1 ug/L		5.0	1	06/07/10 19.27	06/10/10 12 03	3 7440-36-0	
Arsenic	13.5 ug/L		5.0	1	06/07/10 19:27	06/10/10 12.03	3 7440-38-2	
Barium	33.3 ug/L		10.0	1	06/07/10 19.27	06/10/10 12:03	3 7440-39-3	
Beryllium	ND ug/L		1.0	1	06/07/10 19:27	06/10/10 12.03	3 7440-41-7	
Boron	ND ug/L		50.0	1	06/07/10 19:27	06/10/10 12:03	3 7440-42-8	
Cadmium	ND ug/L		1.0	1	06/07/10 19:27	06/10/10 12.0	3 7440-43-9	
Calcium	36800 ug/L		1000	1	06/07/10 19:27	06/10/10 12:03	3 7440-70-2	
Chromium	499 ug/L		50	1		06/10/10 12.0		
Cobalt	9.2 ug/L		5.0	1	06/07/10 19:27	06/10/10 12:0	3 7440-48-4	
Copper	6.8 ug/L		50	1	06/07/10 19:27	06/10/10 12.0	3 7440-50-8	
Iron	3940 ug/L		50.0	1	06/07/10 19.27	06/10/10 12:0	3 7439-89-6	
Lead	4.9 ug/L		2.0	1	06/07/10 19:27	06/10/10 12:0	3 7439-92-1	
Magnesium	6810 ug/L		200	1	06/07/10 19:27	06/10/10 12:0	3 7439-95-4	
Manganese	338 ug/L		5.0	1	06/07/10 19:27	06/10/10 12.0	3 7439-96-5	
Molybdenum	ND ug/L		20.0	1	06/07/10 19:27	06/10/10 12:0	3 7439-98-7	
Nickel	254 ug/L		10.0	1	06/07/10 19.27	06/10/10 12.0	3 7440-02-0	
Potassium	3000 ug/L		500	1	06/07/10 19:27	06/10/10 12:0	3 7440-09-7	
Selenium	ND ug/L		5.0	1	06/07/10 19 27	06/10/10 12:0	3 7782-49-2	
Silver	ND ug/L		1.0	1	06/07/10 19:27	06/10/10 15.0	9 7440-22-4	
Sodium	4880 ug/L		1000	1	06/07/10 19 27	06/10/10 12:0	3 7440-23-5	
Thallium	ND ug/L		10.0	1	06/07/10 19:27	06/10/10 12.0	3 7440-28-0	
Vanadium	ND ug/L		5.0	1	06/07/10 19:27	06/10/10 12:0	3 7440-62-2	
Zinc	ND ug/L		10.0	1		06/10/10 12.0		
6010 MET ICP, Lab Filtered	Analytical Metho	d. EPA 6	010 Preparation Me	thod: Ef	PA 3005			
Aluminum, Dissolved	ND ug/L		50.0	1	06/08/10 16:14	06/10/10 15:0	1 7429-90-5	
Antimony, Dissolved	ND ug/L		5.0	1	06/08/10 16:14	06/10/10 15:0	1 7440-36-0	
Arsenic, Dissolved	ND ug/L		5.0	1		06/10/10 15 0		
Barium, Dissolved	24.4 ug/L		10.0	1		06/10/10 15:0		
Beryllium, Dissolved	ND ug/L		1.0	1		06/10/10 15 0		
Boron, Dissolved	ND ug/L		50.0	1		06/10/10 15.0		
Cadmium, Dissolved	ND ug/L		1.0	1		06/10/10 15:0		
Calcium, Dissolved	34300 ug/L		1000	1		06/10/10 15 0		
Chromium, Dissolved	ND ug/L		5.0	1		06/10/10 15:0		
Cobalt, Dissolved	ND ug/L		5.0	1		06/10/10 15:0		
Copper, Dissolved	ND ug/L		5.0	1		06/10/10 15.0		
- upper, - woodie ou	ito ug/i	-	3.0	•	30,00,10,10,14	. 55, 15, 15, 15, 0	, ,	

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REPORT OF LABORATORY ANALYSIS

Page 23 of 56

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CABOT-EPA 007156



ANALYTICAL RESULTS

Project: 2H/4H
Pace Project No 3028907

Sample: MW-4	Lab ID: 3028907004	Collected. 06/04/	10 08:00	Received 06	3/04/10 14:30	Matrix: Water	
Parameters	Results Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qua
6010 MET ICP, Lab Filtered	Analytical Method: EPA	6010 Preparation Met	hod: EP/	3005			
Lead, Dissolved	ND ug/L	2.0	1	06/08/10 16:14	06/10/10 16.0	0 7439-92-1	
Magnesium, Dissolved	6210 ug/L	200	1	06/08/10 16:14	06/10/10 15:0	1 7439-95-4	
Manganese, Dissolved	263 ug/L	5 0	1	06/08/10 16:14	06/10/10 15:0	1 7439-96-5	
Molybdenum, Dissolved	ND ug/L	20.0	1	06/08/10 16:14	06/10/10 15:0	1 7439-98-7	
Nickel, Dissolved	ND ug/L	10.0	1	06/08/10 16:14	06/10/10 15:0	1 7440-02-0	
Potassium, Dissolved	2510 ug/L	500	1	06/08/10 16:14	06/10/10 15:0	1 7440-09-7	
Selenium, Dissolved	ND ug/L	5.0	1	06/08/10 16:14	06/10/10 15:0	1 7782-49-2	
Silver, Dissolved	ND ug/L	1.0	1	06/08/10 16:14	06/10/10 16.0	0 7440-22-4	
Sodium, Dissolved	4830 ug/L	1000	1	06/08/10 16:14	06/10/10 15 0	1 7440-23-5	
Thallium, Dissolved	ND ug/L	10.0	1	06/08/10 16:14	06/10/10 15.0	1 7440-28-0	
Vanadium, Dissolved	ND ug/L	5.0	1	06/08/10 16:14	06/10/10 15.0	1 7440-62-2	
Zinc, Dissolved	ND ug/L	10.0	1	06/08/10 16:14	06/10/10 15.0	1 7440-66-6	
7470 Mercury	Analytical Method. EPA	7470 Preparation Met	hod: EP/	A 7470			
Mercury	ND ug/L	0.20	1	06/07/10 13:50	06/08/10 05:4	6 7439-97-6	
7470 Mercury, Lab Filtered	Analytical Method: EPA	7470 Preparation Met	hod: EP/	A 7470			
Mercury, Dissolved	ND ug/L	0.20	1	06/09/10 16.52	06/10/10 01:5	8 7439-97-6	
8270 MSSV PAH by SIM	Analytical Method: EPA	8270 by SIM Prepara	ion Meth	od: EPA 3510			
Acenaphthene	ND ug/L	2.7	1	06/08/10 10:15	06/09/10 13:2	4 83-32-9	
Acenaphthylene	ND ug/L	2.7	1	06/08/10 10:15	06/09/10 13:2	4 208-96-8	
Anthracene	ND ug/L	0 21	1	06/08/10 10:15	06/09/10 13:2	4 120-12-7	
Benzo(a)anthracene	ND ug/L	0.21	1	06/08/10 10.15	06/09/10 13:2	4 56-55-3	
Benzo(a)pyrene	ND ug/L	0.21	1	06/08/10 10.15	06/09/10 13:2	4 50-32-8	
Benzo(b)fluoranthene	ND ug/L	0.21	1	06/08/10 10 15	06/09/10 13.2	4 205-99-2	
Benzo(g,h,i)perylene	ND ug/L	0.21	1	06/08/10 10:15	06/09/10 13:2	4 191-24-2	
Benzo(k)fluoranthene	ND ug/L	0.21	1	06/08/10 10:15	06/09/10 13.2	4 207-08-9	
Chrysene	ND ug/L	0.21	1	06/08/10 10:15	06/09/10 13 2	4 218-01-9	
Dibenz(a,h)anthracene	ND ug/L	0 21	1	06/08/10 10:15	06/09/10 13:2	4 53-70-3	
Fluoranthene	ND ug/L	0.21	1	06/08/10 10:15	06/09/10 13:2	4 206-44-0	
Fluorene	ND ug/L	0 21	1	06/08/10 10:15	06/09/10 13:2	4 86-73-7	
Indeno(1,2,3-cd)pyrene	ND ug/L	0.21	1	06/08/10 10.15	06/09/10 13:2	4 193-39-5	
Naphthalene	ND ug/L	1.1	1	06/08/10 10:15	06/09/10 13:2	4 91-20-3	
Phenanthrene	ND ug/L	0.21	1	06/08/10 10.15	06/09/10 13:2	4 85-01-8	
Pyrene	ND ug/L	0.21	1	06/08/10 10:15	06/09/10 13 2	4 129-00-0	
Nitrobenzene-d5 (S)	85 %	35-114	1	06/08/10 10.15	06/09/10 13 2	4 4165-60-0	
2-Fluorobiphenyl (S)	73 %	43-116	1	06/08/10 10:15	06/09/10 13:2	4 321-60-8	
Terphenyl-d14 (S)	84 %	33-141	1	06/08/10 10:15	06/09/10 13·2	4 1718-51-0	
8270 MSSV Semivolatile Organic	Analytical Method: EPA	8270 Preparation Me	hod: EP	A 3510			
Acenaphthene	ND ug/L	1.1	1	06/08/10 10:13	06/08/10 17:4	7 83-32-9	
Acenaphthylene	ND ug/L	11	1	06/08/10 10.13	06/08/10 17:4	7 208-96-8	
Anthracene	ND ug/L	1.1	1	06/08/10 10:13	06/08/10 17:4	7 120-12-7	
Azobenzene	ND ug/L	1.1	1		06/08/10 17:4		
Benzo(a)anthracene	ND ug/L	1.1	1	06/08/10 10.13			

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REPORT OF LABORATORY ANALYSIS

Page 24 of 56

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CABOT-EPA 007157



(724)850-5600

ANALYTICAL RESULTS

Project.

2H/4H

Pace Project No.: 3028907

Sample: MW-4	Lab ID: 3028907	004 Collected: 06/04/	10 08:00	Received: 06/04/10 14:30 Matrix: Water			
Parameters	Results L	Jnits Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method: I	EPA 8270 Preparation Met	hod: EP	A 3510			
Benzo(a)pyrene	ND ug/L	1.1	1	06/08/10 10:13	06/08/10 17.47	50-32-8	
Benzo(b)fluoranthene	ND ug/L	1.1	1	06/08/10 10.13	06/08/10 17 47	205-99-2	
Benzo(g,h,i)perylene	ND ug/L	1.1	1	06/08/10 10:13	06/08/10 17:47	191-24-2	
Benzo(k)fluoranthene	ND ug/L	11	1	06/08/10 10:13	06/08/10 17 47	207-08-9	
Benzoic acid	ND ug/L	106	1	06/08/10 10:13	06/08/10 17:47	65-85 -0	
Benzyl alcohol	ND ug/L	1.1	1	06/08/10 10:13	06/08/10 17:47	100-51-6	
4-Bromophenylphenyl ether	ND ug/L	1.1	1	06/08/10 10:13	06/08/10 17:47	101-55-3	
Butylbenzylphthalate	ND ug/L	1.1	1	06/08/10 10:13	06/08/10 17:47	85-68-7	
Carbazole	ND ug/L	1.1	1	06/08/10 10:13	06/08/10 17.47	86-74-8	
4-Chloro-3-methylphenol	ND ug/L	1.1	1	06/08/10 10:13	06/08/10 17:47	59-50-7	
4-Chloroaniline	ND ug/L	1.1	1	06/08/10 10:13	06/08/10 17.47	106-47-8	
bis(2-Chloroethoxy)methane	ND ug/L	1.1	1	06/08/10 10.13	06/08/10 17:47	111-91-1	
bis(2-Chloroethyl) ether	ND ug/L	1.1	1	06/08/10 10:13	06/08/10 17:47	111-44-4	
bis(2-Chloroisopropyl) ether	ND ug/L	1.1	1	06/08/10 10.13	06/08/10 17:47	108-60-1	
2-Chloronaphthalene	ND ug/L	1.1	1	06/08/10 10:13	06/08/10 17:47	91-58-7	
2-Chlorophenol	ND ug/L	1.1	1	06/08/10 10:13	06/08/10 17 47	95-57-8	
4-Chlorophenylphenyl ether	ND ug/L	1.1	1	06/08/10 10:13	06/08/10 17:47	7005-72-3	
Chrysene	ND ug/L	1.1	1	06/08/10 10:13	06/08/10 17.47	218-01-9	
Dibenz(a,h)anthracene	ND ug/L	1.1	1	06/08/10 10.13	06/08/10 17:47	53-70-3	
Dibenzofuran	ND ug/L	1.1	1	06/08/10 10:13	06/08/10 17:47	132-64-9	
1,2-Dichlorobenzene	ND ug/L	1,1	1	06/08/10 10:13	06/08/10 17:47	95-50-1	
1,3-Dichlorobenzene	ND ug/L	1.1	1		06/08/10 17:47		
1,4-Dichlorobenzene	ND ug/L	1.1	1	06/08/10 10.13	06/08/10 17.47	106-46-7	
3,3'-Dichlorobenzidine	ND ug/L	1,1			06/08/10 17:47		
2,4-Dichlorophenol	ND ug/L	1.1	1	06/08/10 10:13	06/08/10 17:47	120-83-2	
Diethylphthalate	ND ug/L	1.1	1	06/08/10 10 13	06/08/10 17:47	84-66-2	
2,4-Dimethylphenol	ND ug/L	1,1	1	06/08/10 10:13	06/08/10 17:47	105-67-9	
Dimethylphthalate	ND ug/L	1.1	1	06/08/10 10.13	06/08/10 17:47	131-11-3	
Di-n-butylphthalate	ND ug/L	1.1	1	06/08/10 10:13	06/08/10 17:47	84-74-2	
4,6-Dinitro-2-methylphenol	ND ug/L	2.7	1		06/08/10 17:47		
2,4-Dinitrophenol	ND ug/L	2.7	1	06/08/10 10:13	06/08/10 17:47	51-28-5	
2,4-Dinitrotoluene	ND ug/L	1.1	1	06/08/10 10:13	06/08/10 17:47	121-14-2	
2,6-Dinitrotoluene	ND ug/L	1.1	1		06/08/10 17:47		
Di-n-octylphthalate	ND ug/L	1.1			06/08/10 17.47		
bis(2-Ethylhexyl)phthalate	5.8 ug/L	1.1	1		06/08/10 17:47		
Fluoranthene	ND ug/L	1.1			06/08/10 17:47		
Fluorene	ND ug/L	1.1			06/08/10 17:47		
Hexachloro-1,3-butadiene	ND ug/L	1.1			06/08/10 17:47		
Hexachlorobenzene	ND ug/L	1.1			06/08/10 17:47		
Hexachlorocyclopentadiene	ND ug/L	1.1			06/08/10 17.47		
Hexachloroethane	ND ug/L	1.1			06/08/10 17:47		
Indeno(1,2,3-cd)pyrene	ND ug/L	1.1			06/08/10 17:47		
Isophorone	ND ug/L	1,1			06/08/10 17:47		
1-Methylnaphthalene	ND ug/L	1.1			06/08/10 17:47		
2-Methylnaphthalene	ND ug/L	1,1			06/08/10 17:47		
2-Methylphenol(o-Cresol)	ND ug/L	1,1			06/08/10 17:47		
3&4-Methylphenol(m&p Cresol)	ND ug/L	2.1			06/08/10 17:47		

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REPORT OF LABORATORY ANALYSIS

Page 25 of 56

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CABOT-EPA 007158



ANALYTICAL RESULTS

Project

2H/4H

Pace Project No: 3028907

Sample: MW-4	Lab ID: 3028907004	Collected 06/04/1	0 08 00	Received 06	/04/10 14 [.] 30 M	Matrix: Water	
Parameters	Results Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qua
8270 MSSV Semivolatile Organic	Analytical Method EPA 82	270 Preparation Meth	od EPA	3510			
Naphthalene	ND ug/L	1.1	1	06/08/10 10:13	06/08/10 17:47	91-20-3	
2-Nitroaniline	ND ug/L	2.7	1	06/08/10 10:13	06/08/10 17:47	88-74-4	
3-Nitroaniline	ND ug/L	2.7	1	06/08/10 10:13	06/08/10 17.47	99-09-2	
4-Nitroaniline	ND ug/L	2.7	1	06/08/10 10.13	06/08/10 17:47	100-01-6	
Nitrobenzene	ND ug/L	1.1	1	06/08/10 10:13	06/08/10 17:47	98-95-3	
2-Nitrophenol	ND ug/L	1.1	1	06/08/10 10.13	06/08/10 17:47	88-75-5	
4-Nitrophenol	ND ug/L	1.1	1	06/08/10 10:13	06/08/10 17:47	100-02-7	
N-Nitrosodimethylamine	ND ug/L	1.1	1	06/08/10 10:13	06/08/10 17:47	62-75-9	
N-Nitroso-di-n-propylamine	ND ug/L	1.1	1	06/08/10 10:13	06/08/10 17:47	621-64-7	
N-Nitrosodiphenylamine	ND ug/L	1 1	1	06/08/10 10:13	06/08/10 17:47	86-30-6	
Pentachlorophenol	ND ug/L	2.7	1	06/08/10 10:13	06/08/10 17:47	87-86-5	
Phenanthrene	ND ug/L	1.1	1	06/08/10 10:13	06/08/10 17:47	85-01-8	
Phenol	ND ug/L	1.1	1	06/08/10 10:13	06/08/10 17:47	108-95-2	
Pyrene	ND ug/L	1.1	1	06/08/10 10:13	06/08/10 17:47	129-00-0	
1,2,4-Trichlorobenzene	ND ug/L	1.1	1	06/08/10 10 13	06/08/10 17:47	120-82-1	
2,4,5-Trichlorophenol	ND ug/L	2.7	1	06/08/10 10.13	06/08/10 17.47	95-95-4	
2,4,6-Trichlorophenol	ND ug/L	1.1	1	06/08/10 10:13	06/08/10 17:47	88-06-2	
Nitrobenzene-d5 (S)	80 %	35-114	1	06/08/10 10:13	06/08/10 17:47	4165-60-0	
2-Fluorobiphenyl (S)	73 %	43-116	1	06/08/10 10:13	06/08/10 17:47	321-60-8	
Terphenyl-d14 (S)	88 %	33-141	1	06/08/10 10:13	06/08/10 17:47	1718-51-0	
Phenol-d6 (S)	26 %	10-110	1	06/08/10 10:13	06/08/10 17:47	13127-88-3	
2-Fluorophenol (S)	39 %	21-110	1		06/08/10 17:47		
2,4,6-Tribromophenol (S)	68 %	10-123	1	06/08/10 10 13	06/08/10 17.47	118-79-6	
8260 MSV	Analytical Method: EPA 82	260					
1,1,1-Trichloroethane	ND ug/L	1.0	1		06/08/10 19.22	71-55-6	
1,1,2,2-Tetrachloroethane	ND ug/L	1.0	1		06/08/10 19:22	79-34-5	
1,1,2-Trichloroethane	ND ug/L	1.0	1		06/08/10 19:22	79-00-5	
1,1-Dichloroethane	ND ug/L	10	1		06/08/10 19:22	75-34-3	
1,1-Dichloroethene	ND ug/L	10	1		06/08/10 19.22	75-35-4	
1,2,4-Trichlorobenzene	ND ug/L	10	1		06/08/10 19.22	120-82-1	
1,2,4-Trimethylbenzene	ND ug/L	1.0	1		06/08/10 19.22	95-63-6	
1,2-Dichlorobenzene	ND ug/L	1.0	1		06/08/10 19.22		
1,2-Dichloroethane	ND ug/L	1.0	1		06/08/10 19:22		
1,2-Dichloroethene (Total)	ND ug/L	2.0	1		06/08/10 19:22		
1,2-Dichloropropane	ND ug/L	1.0	1		06/08/10 19:22		
1,3,5-Trimethylbenzene	ND ug/L	1.0	1		06/08/10 19:22		
1,3-Dichlorobenzene	ND ug/L	1.0	1		06/08/10 19:22		
1,4-Dichlorobenzene	ND ug/L	1.0	1		06/08/10 19:22		
2-Butanone (MEK)	ND ug/L	10 0	1		06/08/10 19:22		
2-Hexanone	ND ug/L	10.0	1		06/08/10 19:22		
4-Methyl-2-pentanone (MIBK)	ND ug/L	10.0	1		06/08/10 19 22		
Acetone	ND ug/L	10 0	1		06/08/10 19.22		
Benzene	ND ug/L	10	1		06/08/10 19:22		
Bromochloromethane	ND ug/L	1.0	1		06/08/10 19.22		
Bromodichloromethane	ND ug/L	1.0	1		06/08/10 19 22		
Bromoform	ND ug/L	1.0	1		06/08/10 19.22		

Date: 06/11/2010 05:13 PM

REPORT OF LABORATORY ANALYSIS

Page 26 of 56

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CABOT-EPA 007159



(724)850-5600

ANALYTICAL RESULTS

Project:

2H/4H

Pace Project No.: 3028907

Sample: MW-4	Lab ID: 3028907004	Collected: 06/04/10	00:80	Received: 06	6/04/10 14.30 N	Matrix: Water	
Parameters	Results Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method. EPA 8	260					
Bromomethane	ND ug/L	1.0	1		06/08/10 19:22	74-83-9	
Carbon disulfide	ND ug/L	1.0	1		06/08/10 19 22	75- 15- 0	
Carbon tetrachloride	ND ug/L	1.0	1		06/08/10 19:22	56-23-5	
Chlorobenzene	ND ug/L	1.0	1		06/08/10 19.22	108-90-7	
Chloroethane	ND ug/L	1.0	1		06/08/10 19.22	75-00-3	
Chloroform	ND ug/L	1.0	1		06/08/10 19:22	67-66 - 3	
Chloromethane	ND ug/L	1.0	1		06/08/10 19.22	74-87-3	
Dibromochloromethane	ND ug/L	1.0	1		06/08/10 19:22	124-48-1	
Ethylbenzene	ND ug/L	1.0	1		06/08/10 19:22	100-41-4	
Isopropylbenzene (Cumene)	ND ug/L	1.0	1		06/08/10 19:22	98-82-8	
Methyl-tert-butyl ether	ND ug/L	1.0	1		06/08/10 19:22	1634-04-4	
Methylene Chloride	ND ug/L	1.0	1		06/08/10 19:22	75-09-2	
Naphthalene	ND ug/L	2.0	1		06/08/10 19:22	91-20-3	
Styrene	ND ug/L	1.0	1		06/08/10 19:22	100-42-5	
Tetrachloroethene	ND ug/L	1.0	1		06/08/10 19:22	127-18-4	
Toluene	ND ug/L	1.0	1		06/08/10 19:22	108-88-3	
Trichloroethene	ND ug/L	1.0	1		06/08/10 19.22	79-01-6	
Vinyl chloride	ND ug/L	1.0	1		06/08/10 19:22	75-01-4	
Xylene (Total)	ND ug/L	3.0	1		06/08/10 19 22	1330-20-7	
cis-1,2-Dichloroethene	ND ug/L	1.0	1		06/08/10 19:22	156-59-2	
cis-1,3-Dichloropropene	ND ug/L	1.0	1		06/08/10 19.22	10061-01-5	
m&p-Xylene	ND ug/L	2.0	1		06/08/10 19:22	179601-23-1	
n-Butylbenzene	ND ug/L	1.0	1		06/08/10 19 ⁻ 22	104-51-8	
n-Propylbenzene	ND ug/L	1.0	1		06/08/10 19:22	103-65-1	
o-Xylene	ND ug/L	1.0	1		06/08/10 19:22	95-47-6	
p-Isopropyltoluene	ND ug/L	1.0	1		06/08/10 19.22	99-87-6	
sec-Butylbenzene	ND ug/L	1.0	1		06/08/10 19:22	135-98-8	
trans-1,2-Dichloroethene	ND ug/L	1.0	1		06/08/10 19.22	156-60-5	
trans-1,3-Dichloropropene	ND ug/L	1.0	1		06/08/10 19:22	10061-02-6	
4-Bromofluorobenzene (S)	98 %	70-130	1		06/08/10 19:22	460-00-4	
1,2-Dichloroethane-d4 (S)	98 %	70-130	1		06/08/10 19:22	17060-07-0	
Toluene-d8 (S)	100 %	70-130	1		06/08/10 19.22	2037-26-5	
HEM, Oil and Grease	Analytical Method. EPA	1664A					
Oil and Grease	ND mg/L	4.9	1		06/08/10 17:47	7	
1664 SGT-HEM, TPH	Analytical Method. EPA	1664A					
Total Petroleum Hydrocarbons	ND mg/L	4.9	1		06/08/10 17:44	1	
2310B Acidity, Total	Analytical Method: SM 2	310B					
Acidity, Total	ND mg/L	10.0	1		06/09/10 21:00)	
2320B Alkalinity	Analytical Method: SM 2	320B					
Alkalinity, Total as CaCO3	86.0 mg/L	10.0	1		06/07/10 19:31	l	

Date: 06/11/2010 05:13 PM

REPORT OF LABORATORY ANALYSIS

Page 27 of 56

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CABOT-EPA 007160



ANALYTICAL RESULTS

Project

2H/4H

Pace Project No.: 3028907

Sample: MW-4	Lab ID: 3028907004 Coll	ected. 06/04/	10 08:00	Received 06/04/10 14:30	Matrix: Water
Parameters	Results Units	Report Limit	DF	Prepared Analyzed	CAS No. Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C				
Total Dissolved Solids	182 mg/L	10.0	1	06/07/10 18:3	5
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+	В			
pH at 25 Degrees C	7.0 Std. Units	1.0	1	06/08/10 19:16	6 H6
5540C MBAS Surfactants	Analytical Method: SM 5540C				
Surfactants	ND mg/L	0.10	1	06/04/10 15.5	5
350.1 Ammonia, Distilled	Analytical Method: EPA 350 1				
Ammonia, Distilled	ND mg/L	0.10	1	06/10/10 11:2	1
4500 Chloride	Analytical Method: SM 4500-CI-	E			
Chloride	7.6 mg/L	30	1	06/08/10 10.4	5 16887-00-6

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REPORT OF LABORATORY ANALYSIS

Page 28 of 56

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CABOT-EPA 007161



ANALYTICAL RESULTS

Project⁻

2H/4H

Pace Project No.: 3028907

Sample: TRIP BLANK	Lab ID: 302	Lab ID: 3028907005 Collected: Received. 06/04/10 14:30 Matrix: Water						
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qua
8260 MSV	Analytical Met	hod: EPA 826	0					
1,1,1-Trichloroethane	ND ug	g/L	1.0	1		06/08/10 14:28	71-55-6	
1,1,2,2-Tetrachloroethane	ND ug	g/L	1.0	1		06/08/10 14:28	79-34-5	
1,1,2-Trichloroethane	ND uç	g/L	1.0	1		06/08/10 14:28	79-00-5	
1,1-Dichloroethane	ND ug	g/L	1.0	1		06/08/10 14:28	75-34-3	
1,1-Dichloroethene	ND ug	g/L	1.0	1		06/08/10 14:28		
1,2,4-Trichlorobenzene	ND ug		1.0	1		06/08/10 14:28		
1,2,4-Trimethylbenzene	ND ug		1.0	1		06/08/10 14:28		
1,2-Dichlorobenzene	ND ug	g/L	1.0	1		06/08/10 14:28		
1,2-Dichloroethane	ND ug	g/L	1.0	1		06/08/10 14:28		
1,2-Dichloroethene (Total)	ND ug	a/L	2.0	1		06/08/10 14:28		
1,2-Dichloropropane	ND ug	a/L	1.0	1		06/08/10 14:28		
1,3,5-Trimethylbenzene	ND ug	-	1.0	1		06/08/10 14:28		
1,3-Dichlorobenzene	ND ug	•	1.0	1		06/08/10 14:28		
1,4-Dichlorobenzene	ND ug	₹	1.0	1		06/08/10 14 28		
2-Butanone (MEK)	ND ug	•	10.0	1		06/08/10 14:28		
2-Hexanone	ND us	-	10.0	1		06/08/10 14:28		
4-Methyl-2-pentanone (MIBK)	ND ug	•	10.0	1		06/08/10 14:28		
Acetone	ND us	-	10 0	1		06/08/10 14:28		
Benzene	ND ug	-	1.0	1		06/08/10 14:28		
Bromochloromethane	ND ug	-	1.0	1				
Bromodichloromethane	ND ug	-	1.0	1		06/08/10 14.28		
Bromoform	ND uş	-	1.0	1		06/08/10 14:28 06/08/10 14:28		
Bromomethane	ND ug		1.0	1				
Carbon disulfide	ND ug	_	1.0	1		06/08/10 14:28		
Carbon tetrachloride	ND ug	•	1.0	1		06/08/10 14:28		
Chlorobenzene	ND ug	•	1.0	1		06/08/10 14:28		
Chloroethane	ND ug	-	1.0	1		06/08/10 14:28		
Chloroform	ND uş	-	1.0	1		06/08/10 14:28		
Chloromethane	ND ug	-	1.0	1		06/08/10 14.28		
Dibromochloromethane		-				06/08/10 14:28		
Ethylbenzene	ND ug		1.0	1		06/08/10 14:28		
Isopropylbenzene (Cumene)	ND ug	-	1.0	1		06/08/10 14:28		
	ND ug	-	1.0	1		06/08/10 14:28		
Methyleter-butyl ether	ND ug	•	1.0	1		06/08/10 14:28		
Methylene Chloride	ND ug	-	1.0	1		06/08/10 14:28		
Naphthalene	ND uç		2.0	1		06/08/10 14:28		
Styrene	ND uç	-	1.0	1		06/08/10 14 28		
Tetrachloroethene	ND uç	•	1.0	1		06/08/10 14:28		
Toluene	ND uç	•	1.0	1		06/08/10 14:28		
Trichloroethene	ND ug		1.0	1		06/08/10 14:28		
Vinyl chloride	ND ug	•	1.0	1		06/08/10 14:28		
Xylene (Total)	ND uç	-	3.0	1		06/08/10 14:28		
cis-1,2-Dichloroethene	ND ug		1.0	1		06/08/10 14:28		
cis-1,3-Dichloropropene	ND ug	-	1.0	1		06/08/10 14:28	10061-01-5	
m&p-Xylene	ND uç		20	1		06/08/10 14:28	179601-23-1	
n-Butylbenzene	ND ug	-	1.0	1		06/08/10 14 ⁻ 28	104-51-8	
n-Propylbenzene	ND ug	g/L	1.0	1		06/08/10 14:28	103-65-1	
o-Xylene	ND ug	ı/L	1.0	1		06/08/10 14:28	95-47-6	

Date: 06/11/2010 05.13 PM

REPORT OF LABORATORY ANALYSIS

Page 29 of 56

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CABOT-EPA 007162



ANALYTICAL RESULTS

Project:

2H/4H

Pace Project No .

2029007

Sample: TRIP BLANK	Lab ID: 302	Lab ID: 3028907005 Collected:		Received: 06/04/10 14:30 Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No	Qual
8260 MSV	Analytical Met	hod: EPA 826	0					
p-Isopropyltoluene	ND ug	g/L	1.0	1		06/08/10 14:28	99-87-6	
sec-Butylbenzene	ND ug	g/L	1.0	1		06/08/10 14.28	135-98-8	
trans-1,2-Dichloroethene	ND ug	g/L	1.0	1		06/08/10 14:28	156-60-5	
trans-1,3-Dichloropropene	ND ug	g/L	10	1		06/08/10 14.28	10061-02-6	
4-Bromofluorobenzene (S)	99 %	1	70-130	1		06/08/10 14:28	460-00-4	
1,2-Dichloroethane-d4 (S)	94 %	1	70-130	1		06/08/10 14.28	17060-07-0	
Toluene-d8 (S)	99 %	1	70-130	1		06/08/10 14:28	2037-26-5	

Date: 06/11/2010 05:13 PM

REPORT OF LABORATORY ANALYSIS

Page 30 of 56

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CABOT-EPA 007163



QUALITY CONTROL DATA

Project:

2H/4H

Pace Project No.:

QC Batch

3028907

OEXT/5125

Analysis Method:

EPA 8015B Modified

QC Batch Method:

EPA 3510

Analysis Description.

8015 GCS

Associated Lab Samples:

3028907001, 3028907002, 3028907003, 3028907004

METHOD BLANK: 179501

Matrix: Water

Associated Lab Samples:

3028907001, 3028907002, 3028907003, 3028907004

Blank

Reporting Limit

Analyzed Qualifiers

Diesel Components o-Terphenyl (S)

Units mg/L

Units

Result

ND 52

0.10 06/08/10 20:51 50-150 06/08/10 20:51

LABORATORY CONTROL SAMPLE: Parameter

Parameter

179502

Spike

LCS Result

LCS % Rec % Rec Limits

Qualifiers

Diesel Components o-Terphenyl (S)

mg/L %

%

Conc.

0.58

58 70

50-150

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REPORT OF LABORATORY ANALYSIS

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Page 31 of 56

CABOT-EPA 007164



QUALITY CONTROL DATA

Project:

2H/4H

Pace Project No.:

3028907

QC Batch:

GCV/1359

Analysis Method:

EPA 5030/8015 Mod.

QC Batch Method:

EPA 5030/8015 Mod

Analysis Description:

Gasoline Range Organics

Associated Lab Samples:

3028907001, 3028907002, 3028907003, 3028907004

METHOD BLANK: 180085

Matrix. Water

Associated Lab Samples:

3028907001, 3028907002, 3028907003, 3028907004

Blank

Reporting

Analyzed

Qualifiers

Parameter TPH (C06-C10) 4-Bromofluorobenzene (S)

Units ug/L

Result

Spike

ND 96

200 06/10/10 15:47 70-130 06/10/10 15 47

LABORATORY CONTROL SAMPLE:

Parameter

180086

%

%

LCS

LCS

% Rec Limits

Qualifiers

TPH (C06-C10) 4-Bromofluorobenzene (S)

Units Conc. ug/L 500

560

Result

% Rec 112 98

70-130 70-130

Date: 06/11/2010 05 13 PM

REPORT OF LABORATORY ANALYSIS

Page 32 of 56

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CABOT-EPA 007165



QUALITY CONTROL DATA

Project:

2H/4H

Pace Project No

3028907

QC Batch:

MERP/1990 EPA 7470

Analysis Method:

EPA 7470

QC Batch Method

Parameter

Parameter

Parameter

Parameter

Analysis Description:

7470 Mercury

Associated Lab Samples:

3028907001, 3028907002, 3028907003, 3028907004

Matrix: Water

METHOD BLANK: 179283 Associated Lab Samples:

3028907001, 3028907002, 3028907003, 3028907004

Result

Reporting Limit

Analyzed Qualifiers

Mercury

ug/L

ND

0.20 06/08/10 05:23

LABORATORY CONTROL SAMPLE

179284

Units

Units

Units

Units

Spike

LCS Result

LCS % Rec

% Rec Limits

85-115

MS

Qualifiers

85-115

Mercury

ug/L

179286

ug/L

Conc.

0.95

95

MS

Result

1.9

72

% Rec % Rec Limits

Qualifiers

SAMPLE DUPLICATE: 179285

MATRIX SPIKE SAMPLE:

3028831001

3028831001

Result

Spike

Conc.

2.5

Dup Result

RPD

Qualifiers

Mercury

Mercury

ug/L

Result ND

ND

.05J

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REPORT OF LABORATORY ANALYSIS

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CABOT-EPA 007166

Page 33 of 56

DIM0228399 DIM0227454



QUALITY CONTROL DATA

Project:

2H/4H

Pace Project No.:

3028907

QC Batch:

MERP/1995

Analysis Method:

EPA 7470

QC Batch Method:

EPA 7470

Analysis Description:

Associated Lab Samples:

3028907001, 3028907002, 3028907003, 3028907004

7470 Mercury Dissolved

METHOD BLANK: 180334

Matrix. Water

Associated Lab Samples

Parameter

Parameter

Parameter

Parameter

3028907001, 3028907002, 3028907003, 3028907004

Blank Result Reporting Limit

Analyzed

Qualifiers

Mercury, Dissolved

ug/L

ND

0 20 06/10/10 01:47

LABORATORY CONTROL SAMPLE 180335

Spike

LCS Result

ND

LCS % Rec % Rec Limits

Qualifiers

Mercury, Dissolved

Mercury, Dissolved

Units

Units

Units

Conc.

1.1

85-115

MATRIX SPIKE SAMPLE.

180337

ug/L

ug/L

3028907001 Result

Spike Conc.

MS Result

112

2.9

MS % Rec % Rec Limits

Qualifiers

75-125

SAMPLE DUPLICATE: 180336

3028907001

Dup

2.5

RPD

Qualifiers

118

Mercury, Dissolved

ug/L

Units

Result ND Result

ND

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REPORT OF LABORATORY ANALYSIS

Page 34 of 56

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CABOT-EPA 007167



QUALITY CONTROL DATA

Project:

QC Batch.

2H/4H

Pace Project No.:

3028907

OEXT/5122

Analysis Method:

EPA 8270 by SIM

QC Batch Method: EPA 3510

Analysis Description:

8270 Water PAH by SIM MSSV

Associated Lab Samples: 3028907001, 3028907002, 3028907003, 3028907004

Matrix. Water

METHOD BLANK: 179443

Associated Lab Samples: 3028907001, 3028907002, 3028907003, 3028907004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
					- Qualificity
Acenaphthene	ug/L	ND	2.5	06/09/10 11:16	
Acenaphthylene	ug/L	ND	2.5	06/09/10 11.16	
Anthracene	ug/L	ND	0.20	06/09/10 11:16	
Benzo(a)anthracene	ug/L	ND	0.20	06/09/10 11:16	
Benzo(a)pyrene	ug/L	ND	0.20	06/09/10 11:16	
Benzo(b)fluoranthene	ug/L	ND	0.20	06/09/10 11.16	
Benzo(g,h,i)perylene	ug/L	ND	0 20	06/09/10 11:16	
Benzo(k)fluoranthene	ug/L	ND	0.20	06/09/10 11:16	
Chrysene	ug/L	ND	0.20	06/09/10 11:16	
Dibenz(a,h)anthracene	ug/L	ND	0.20	06/09/10 11:16	
Fluoranthene	ug/L	ND	0.20	06/09/10 11:16	
Fluorene	ug/L	ND	0.20	06/09/10 11:16	
Indeno(1,2,3-cd)pyrene	ug/L	ND	0.20	06/09/10 11:16	
Naphthalene	ug/L	ND	1.0	06/09/10 11:16	
Phenanthrene	ug/L	ND	0.20	06/09/10 11:16	
Pyrene	ug/L	ND	0.20	06/09/10 11:16	
2-Fluorobiphenyl (S)	%	53	43-116	06/09/10 11:16	
Nitrobenzene-d5 (S)	%	58	35-114	06/09/10 11:16	
Terphenyl-d14 (S)	%	64	33-141	06/09/10 11:16	

LABORATORY CONTROL SAMPLE:	179444					
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Acenaphthene	ug/L		1.1J	54	32-104	
Acenaphthylene	ug/L	2	1.1J	53	28-114	
Anthracene	ug/L	2	1.1	57	35-114	
Benzo(a)anthracene	ug/L	2	1.4	72	29-139	
Benzo(a)pyrene	u g/L	2	1.4	69	35-128	
Benzo(b)fluoranthene	ug/L	2	1.5	76	26-141	
Benzo(g,h,ı)perylene	u g/L	2	1.6	81	34-131	
Benzo(k)fluoranthene	ug/L	2	1.6	80	29-146	
Chrysene	ug/L	2	1.5	75	39-128	
Dibenz(a,h)anthracene	ug/L	2	1.6	80	39-136	
Fluoranthene	ug/L	2	1.4	68	35-135	
Fluorene	ug/L	2	1.1	56	34-104	
Indeno(1,2,3-cd)pyrene	ug/L	2	1.5	77	37-136	
Naphthalene	ug/L	2	1.1	53	34-98	
Phenanthrene	ug/L	2	1.2	58	32-109	
Pyrene	u g/L	2	1.4	69	34-103	
2-Fluorobiphenyl (S)	%			57	43-116	
Nitrobenzene-d5 (S)	%			63	35-114	

Date. 06/11/2010 05:13 PM

REPORT OF LABORATORY ANALYSIS

Page 35 of 56

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CABOT-EPA 007168



QUALITY CONTROL DATA

Project:

2H/4H

Pace Project No.: 3028907

LABORATORY CONTROL SAMPLE. 179444

Spike LCS LCS % Rec
Parameter Units Conc. Result % Rec Limits Qualifiers

Terphenyl-d14 (S)

%

79 33-141

Date: 06/11/2010 05:13 PM

REPORT OF LABORATORY ANALYSIS

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Page 36 of 56

CABOT-EPA 007169



QUALITY CONTROL DATA

Project:

QC Batch:

2H/4H

Pace Project No.:

3028907

OEXT/5121

Analysis Method:

EPA 8270

QC Batch Method

EPA 3510

Analysis Description:

Matrix: Water

Reporting

8270 Water MSSV

Blank

Associated Lab Samples: 3028907001, 3028907002, 3028907003, 3028907004

METHOD BLANK: 179441

Associated Lab Samples. 3028907001, 3028907002, 3028907003, 3028907004

Parameter	Units	Result	Limit	Analyzed	Qualifiers
1,2,4-Trichlorobenzene	ug/L	ND	1.0	06/08/10 15 55	
1,2-Dichlorobenzene	ug/L	ND	1.0	06/08/10 15:55	
1,3-Dichlorobenzene	ug/L	ND	1.0	06/08/10 15:55	
1,4-Dichlorobenzene	ug/L	ND	1.0	06/08/10 15:55	
1-Methylnaphthalene	ug/L	ND	1.0	06/08/10 15.55	
2,4,5-Trichlorophenol	ug/L	ND	2.5	06/08/10 15:55	
2,4,6-Trichlorophenol	ug/L	ND	1.0	06/08/10 15:55	
2,4-Dichlorophenol	ug/L	ND	1.0	06/08/10 15:55	
2,4-Dimethylphenol	ug/L	ND	1.0	06/08/10 15 55	
2,4-Dinitrophenol	ug/L	ND	2.5	06/08/10 15:55	
2,4-Dinitrotoluene	ug/L	ND	1.0	06/08/10 15:55	
2,6-Dinitrotoluene	ug/L	ND	1.0	06/08/10 15:55	
2-Chloronaphthalene	ug/L	ND	1.0	06/08/10 15 55	
2-Chlorophenol	ug/L	МD	1.0	06/08/10 15:55	
2-Methylnaphthalene	ug/L	ND	10	06/08/10 15 55	
2-Methylphenol(o-Cresol)	ug/L	ND	1.0	06/08/10 15:55	
2-Nitroaniline	ug/L	ND	25	06/08/10 15:55	
2-Nitrophenol	ug/L	ND	1.0	06/08/10 15:55	
3&4-Methylphenol(m&p Cresol)	ug/L	ND	2.0	06/08/10 15:55	
3,3'-Dichlorobenzidine	ug/L	ND	1.0	06/08/10 15:55	
3-Nitroaniline	ug/L	ND	25	06/08/10 15:55	
4,6-Dinitro-2-methylphenol	ug/L	ND	2.5	06/08/10 15:55	
4-Bromophenylphenyl ether	ug/L	ND	1.0	06/08/10 15:55	
4-Chloro-3-methylphenol	ug/L	ND	1.0	06/08/10 15:55	
4-Chloroaniline	ug/L	ND	1.0	06/08/10 15:55	
4-Chlorophenylphenyl ether	ug/L	ND	1.0	06/08/10 15:55	
4-Nitroaniline	ug/L	ND	2.5		
4-Nitrophenol	ug/L	ND	1.0		
Acenaphthene	ug/L	ND	1.0	06/08/10 15:55	
Acenaphthylene	ug/L	ND	1.0		
Anthracene	ug/L	ND	1.0		
Azobenzene	ug/L	ND	1.0		
Benzo(a)anthracene	ug/L	ND	1.0		
Benzo(a)pyrene	ug/L	ND	1.0		
Benzo(b)fluoranthene	ug/L	ND	1.0		
Benzo(g,h,i)perylene	ug/L	ND	1.0		
Benzo(k)fluoranthene	ug/L	ND	1.0	06/08/10 15:55	
Benzoic acid	ug/L	ND	100		
Benzyl alcohol	ug/L	ND	1.0		
bis(2-Chloroethoxy)methane	ug/L	ND	1.0		
bis(2-Chloroethyl) ether	ug/L	ND	1.0		
bis(2-Chloroisopropyl) ether	ug/L	ND	1.0		
bis(2-Ethylhexyl)phthalate	ug/L	ND	1.0		

Date: 06/11/2010 05:13 PM

REPORT OF LABORATORY ANALYSIS

Page 37 of 56

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CABOT-EPA 007170



QUALITY CONTROL DATA

Project:

2H/4H

Pace Project No: 3028907

METHOD BLANK: 179441

Matrix: Water

Associated Lab Samples 3028907001, 3028907002, 3028907003, 3028907004

Parameter	Units			Analyzed	Qualifiers
Butylbenzylphthalate	ug/L	ND	1.0	06/08/10 15 55	
Carbazole	ug/L	ND	1.0	06/08/10 15:55	
Chrysene	ug/L	ND	1.0	06/08/10 15·55	
Di-n-butylphthalate	ug/L	ND	1 0	06/08/10 15.55	
Di-n-octylphthalate	ug/L	ND	1.0	06/08/10 15:55	
Dibenz(a,h)anthracene	ug/L	ND	1.0	06/08/10 15.55	
Dibenzofuran	ug/L	ND	1.0	06/08/10 15:55	
Diethylphthalate	ug/L	ND	1.0	06/08/10 15:55	
Dimethylphthalate	ug/L	ND	1.0	06/08/10 15:55	
Fluoranthene	ug/L	ND	1.0	06/08/10 15:55	
Fluorene	ug/L	ND	1.0	06/08/10 15:55	
Hexachloro-1,3-butadiene	ug/L	ND	1.0	06/08/10 15:55	
Hexachlorobenzene	ug/L	ND	1.0	06/08/10 15:55	
Hexachlorocyclopentadiene	ug/L	ND	1.0	06/08/10 15:55	
Hexachloroethane	ug/L	ND	1.0	06/08/10 15:55	
Indeno(1,2,3-cd)pyrene	ug/L	ND	1.0	06/08/10 15:55	
Isophorone	ug/L	ND	1.0	06/08/10 15:55	
N-Nitroso-di-n-propylamine	ug/L	ND	1.0	06/08/10 15:55	
N-Nitrosodimethylamine	ug/L	ND	1.0	06/08/10 15:55	
N-Nitrosodiphenylamine	ug/L	ND	1.0	06/08/10 15:55	
Naphthalene	ug/L	ND	1.0	06/08/10 15:55	
Nitrobenzene	ug/L	ND	1.0	06/08/10 15:55	
Pentachlorophenol	ug/L	ND	2.5	06/08/10 15:55	
Phenanthrene	ug/L	ND	10	06/08/10 15:55	
Phenol	ug/L	ND	1.0	06/08/10 15:55	
Pyrene	ug/L	ND	1.0	06/08/10 15:55	
2,4,6-Tribromopheno! (S)	%	47	10-123	06/08/10 15:55	
2-Fluorobiphenyl (S)	%	50	43-116	06/08/10 15:55	
2-Fluorophenol (S)	%	30	21-110	06/08/10 15:55	
Nitrobenzene-d5 (S)	%	59	35-114	06/08/10 15:55	
Phenol-d6 (S)	%	20	10-110	06/08/10 15:55	
Terphenyl-d14 (S)	%	76	33-141	06/08/10 15:55	

LABORATORY CONTROL SAMI	PLE: 179442					
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/L	5	2.2	45	39-98	
1,2-Dichlorobenzene	ug/L		ND			
1,3-Dichlorobenzene	ug/L		ND			
1,4-Dichlorobenzene	ug/L	5	1.9	38	20-124	
1-Methylnaphthalene	ug/L	5	2.8	56	40-140	
2,4,5-Trichlorophenol	ug/L		ND			
2,4,6-Trichlorophenol	ug/L		ND			
2,4-Dichlorophenol	ug/L		ND			
2,4-Dimethylphenol	ug/L		ND			

Date 06/11/2010 05:13 PM

REPORT OF LABORATORY ANALYSIS

Page 38 of 56

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CABOT-EPA 007171



QUALITY CONTROL DATA

Project.

2H/4H

Pace Project No.: 3028907

LABORATORY CONTROL SAMPLE:	179442	Spike	LCS	LCS	% Rec	
Parameter	Units	Conc.	Result	% Rec	Limits	Qualifiers
2,4-Dinitrophenol	ug/L		ND			
2,4-Dinitrotoluene	ug/L	5	2.5	49	39-139	
2,6-Dinitrotoluene	ug/L		ND			
2-Chloronaphthalene	ug/L		ND			
2-Chlorophenol	ug/L	5	2.7	53	23-134	
2-Methylnaphthalene	ug/L	5	2 4	49	40-140	
2-Methylphenol(o-Cresol)	ug/L		ND			
?-Nitroaniline	ug/L		ND			
-Nitrophenol	ug/L		ND			
&4-Methylphenol(m&p Cresol)	ug/L		ND			
3,3'-Dichlorobenzidine	ug/L		ND			
-Nitroaniline	ug/L		ND			
I,6-Dinitro-2-methylphenol	ug/L		ND			
I-Bromophenylphenyl ether	ug/L		ND			
1-Chloro-3-methylphenol	ug/L	5	3.1	62	22-147	
1-Chloroaniline	ug/L		ND			
1-Chlorophenylphenyl ether	ug/L		ND			
l-Nitroaniline	ug/L		ND			
-Nitrophenol	ug/L	5	1.7	34	1-132	
cenaphthene	ug/L	5	2.9	58	27-133	
cenaphthylene	ug/L	5	3.0	60	33-145	
nthracene	ug/L	5	3.0	60	27-133	
zobenzene	ug/L	•	ND	•	200	
enzo(a)anthracene	ug/L	5	3.3	66	33-142	
enzo(a)pyrene	ug/L	5	3.4	67	17-163	
enzo(b)fluoranthene	ug/L	5	3.8	76	24-159	
enzo(g,h,i)perylene	ug/L	5	2.2	45	1-219	
enzo(k)fluoranthene	ug/L	5	4.0	81	11-162	
Benzoic acid	ug/L	-	ND	0,		
Benzyl alcohol	ug/L		ND			
us(2-Chloroethoxy)methane	ug/L		ND			
ois(2-Chloroethyl) ether	ug/L		ND			
os(2-Chloroisopropyl) ether	ug/L		ND			
ois(2-Ethylhexyl)phthalate	ug/L		ND			
Butylbenzylphthalate	ug/L		ND			
Carbazole	ug/L		ND			
Chrysene	ug/L	5	3.4	68	17-168	
Di-n-butylphthalate	ug/L	J	ND	00	11-100	
Di-n-octylphthalate	ug/L		ND			
Dibenz(a,h)anthracene	ug/L	5	2 1	42	1-227	
Dibenzofuran	ug/L	ŭ	ND	72	, 221	
Diethylphthalate	ug/L		ND			
Dimethylphthalate	ug/L		ND			
Fluoranthene	ug/L	5	3.2	64	26-137	
Fluorene	ug/L	5	2.8	56	59-121 I	10
Hexachloro-1,3-butadiene	ug/L	J	ND	30	00-121	
lexachlorobenzene	ug/L		ND			
lexachlorocyclopentadiene	ug/L		ND			
	~9·~		HD			

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REPORT OF LABORATORY ANALYSIS

Page 39 of 56

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CABOT-EPA 007172



QUALITY CONTROL DATA

Project:

2H/4H

Pace Project No: 3028907

LABORATORY CONTROL SAMPLE	179442					
		Spike	LCS	LCS	% Rec	
Parameter	Units	Conc	Result	% Rec	Limits	Qualifiers
Hexachloroethane	ug/L		ND			
Indeno(1,2,3-cd)pyrene	ug/L	5	2.2	44	1-171	
Isophorone	ug/L		ND			
N-Nitroso-di-n-propylamine	ug/L	5	3.8	77	1-230	
N-Nitrosodimethylamine	ug/L		ND			
N-Nitrosodiphenylamine	ug/L		ND			
Naphthalene	ug/L	5	2.6	52	21-133	
Nitrobenzene	ug/L		ND			
Pentachlorophenol	ug/L	5	2.6	52	14-176	
Phenanthrene	ug/L	5	3.1	62	54-120	
Phenol	ug/L	5	1.1	22	5-112	
Pyrene	ug/L	5	3.5	69	26-127	
2,4,6-Tribromophenol (S)	%			55	10-123	
2-Fluorobiphenyl (S)	%			57	43-116	
2-Fluorophenol (S)	%			33	21-110	
Nitrobenzene-d5 (S)	%			66	35-114	
Phenol-d6 (S)	%			24	10-110	
Terphenyl-d14 (S)	%			77	33-141	

Date: 06/11/2010 05:13 PM

REPORT OF LABORATORY ANALYSIS

Page 40 of 56

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CABOT-EPA 007173



QUALITY CONTROL DATA

Project:

2H/4H

Pace Project No.:

3028907

QC Batch:

MSV/6094

Analysis Method:

EPA 8260

QC Batch Method:

EPA 8260

Analysis Description:

8260 MSV

Associated Lab Samples. 3028907001, 3028907002, 3028907003, 3028907004, 3028907005

Matrix: Water

METHOD BLANK: 179619

Associated Lab Samples: 3028907001, 3028907002, 3028907003, 3028907004, 3028907005

Parameter	55250	,0,001,002000,002,0	Blank	Reporting		
1,1,2,2-Tetrachloroethane ug/L ND 1.0 06/08/10 10.48 1,1,2-Trichloroethane ug/L ND 1.0 06/08/10 10.48 1,1-Dichloroethane ug/L ND 1.0 06/08/10 10.48 1,1-Dichloroethane ug/L ND 1.0 06/08/10 10.48 1,2-L-Trichlorobenzene ug/L ND 1.0 06/08/10 10.48 1,2-Dichloroethane ug/L ND 1.0 06/08/10 10.48 1,2-Dichlorobenzene ug/L ND 1.0 06/08/10 10.48 1,3-Dichlorobenzene ug/L ND 1.0 06/08/10 10.48 1,4-Dichlorobenzene ug/L ND 1.0 06/08/10 10.48 1,4-Dichlorobenzene ug/L ND 1.0 06/08/10 10.48 2-Hexanone ug/L ND <th>Parameter</th> <th>Units</th> <th></th> <th></th> <th>Analyzed</th> <th>Qualifiers</th>	Parameter	Units			Analyzed	Qualifiers
1,1,2-Trichloroethane ug/L ND 1.0 06/08/10 10.48 1,1-Dichloroethane ug/L ND 1.0 06/08/10 10.48 1,1-Dichloroethane ug/L ND 1.0 06/08/10 10.48 1,2,4-Trichlorobenzene ug/L ND 1.0 06/08/10 10.48 1,2,4-Trimethylbenzene ug/L ND 1.0 06/08/10 10.48 1,2-Dichlorobenzene ug/L ND 1.0 06/08/10 10.48 1,2-Dichloropthane ug/L ND 1.0 06/08/10 10.48 1,2-Dichloropthane ug/L ND 1.0 06/08/10 10.48 1,3-Dichlorobenzene ug/L ND 1.0 06/08/10 10.48 1,3-Dichlorobenzene ug/L ND 1.0 06/08/10 10.48 2-Butanone (MEK) ug/L ND 1.0 06/08/10 10.48 2-Hexanone ug/L ND 1.0 06/08/10 10.48 4-Methyl-2-pentanone (MIBK) ug/L ND 1.0 06/08/10 10.48 Berzzene ug/L ND	1,1,1-Trichloroethane	ug/L	ND	1.0	06/08/10 10:48	
1,1-Dichloroethane ug/L ND 1.0 06/08/10 10.48 1,1-Dichloroethane ug/L ND 1.0 06/08/10 10.48 1,2-4-Trindhrobenzene ug/L ND 1.0 06/08/10 10.48 1,2-Dichlorobenzene ug/L ND 1.0 06/08/10 10.48 1,2-Dichloroethane ug/L ND 1.0 06/08/10 10.48 1,2-Dichloropropane ug/L ND 1.0 06/08/10 10.48 1,3-Dichlorobenzene ug/L ND 1.0 06/08/10 10.48 1,3-Dichlorobenzene ug/L ND 1.0 06/08/10 10.48 1,3-Dichlorobenzene ug/L ND 1.0 06/08/10 10.48 1,4-Dichlorobenzene ug/L ND 1.0 06/08/10 10.48 1,4-Dichlorobenzene ug/L ND 1.0 06/08/10 10.48 1,4-Dichlorobenzene ug/L ND 1.0 06/08/10 10.48 2-Hexanone ug/L ND 1.0 06/08/10 10.48 2-Hexanone ug/L ND	1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	06/08/10 10:48	
1,1-bickloroethene Ug/L ND 1.0 06/08/10 10.48 1,2.4-Trinchlorobenzene ug/L ND 1.0 06/08/10 10.48 1,2.4-Trinchlybenzene ug/L ND 1.0 06/08/10 10.48 1,2-Dichloroethane ug/L ND 1.0 06/08/10 10.48 1,2-Dichloropropane ug/L ND 1.0 06/08/10 10.48 1,3-Dichlorobenzene ug/L ND 1.0 06/08/10 10.48 2-Butanone (MEK) ug/L ND 1.0 06/08/10 10.48 2-Hexanone ug/L ND 10.0 06/08/10 10.48 4-Methyl-2-pentanone (MIBK) ug/L ND 10.0 06/08/10 10.48 4-Methyl-2-pentanone (MIBK) ug/L ND 10.0 06/08/10 10.48 5-Horoethane ug/L <	1,1,2-Trichloroethane	ug/L	ND	1.0	06/08/10 10.48	
1,2,4-Trichlorobenzene Ug/L ND 1.0 06/08/10 10:48 1,2,4-Trimethylbenzene Ug/L ND 1.0 06/08/10 10:48 1,2-Dichlorobenzene Ug/L ND 1.0 06/08/10 10:48 1,2-Dichloropropane Ug/L ND 1.0 06/08/10 10:48 1,3-Dichlorobenzene Ug/L ND 1.0 06/08/10 10:48 1,4-Dichlorobenzene Ug/L ND 1.0 06/08/10 10:48 2-Hexanone Ug/L ND 1.0 06/08/10 10:48 2-Hexanone Ug/L ND 1.0 06/08/10 10:48 2-Hexanone Ug/L ND 1.	1,1-Dichloroethane	ug/L	ND	1.0	06/08/10 10:48	
1,2,4-Trimethylbenzene ug/L ND 1.0 06/08/10 10:48 1,2-Dichlorobenzene ug/L ND 1.0 06/08/10 10:48 1,2-Dichlorobethane ug/L ND 1.0 06/08/10 10:48 1,3-5-Trimethylbenzene ug/L ND 1.0 06/08/10 10:48 1,3-5-Trimethylbenzene ug/L ND 1.0 06/08/10 10:48 1,4-Dichlorobenzene ug/L ND 1.0 06/08/10 10:48 1,4-Dichlorobenzene ug/L ND 1.0 06/08/10 10:48 2-Butanone (MEK) ug/L ND 10.0 06/08/10 10:48 2-Hexanone ug/L ND 10.0 06/08/10 10:48 4-Methyl-2-pentanone (MIBK) ug/L ND 10.0 06/08/10 10:48 4-Methyl-2-pentanone (MIBK) ug/L ND 10.0 06/08/10 10:48 Acetone ug/L ND 10.0 06/08/10 10:48 Bernzene ug/L ND 10.0 06/08/10 10:48 Bromodichloromethane ug/L ND </td <td>1,1-Dichloroethene</td> <td>ug/L</td> <td>ND</td> <td>1.0</td> <td>06/08/10 10.48</td> <td></td>	1,1-Dichloroethene	ug/L	ND	1.0	06/08/10 10.48	
1,2-Dichlorobenzene ug/L ND 1,0 06/08/10 10.48 1,2-Dichloroethane ug/L ND 1.0 06/08/10 10.48 1,2-Dichloropropane ug/L ND 1.0 06/08/10 10.48 1,3-Dichlorobenzene ug/L ND 1.0 06/08/10 10.48 1,3-Dichlorobenzene ug/L ND 1.0 06/08/10 10.48 2-Butanone (MEK) ug/L ND 1.0 06/08/10 10.48 2-Butanone (MEK) ug/L ND 10.0 06/08/10 10.48 2-Hexanone ug/L ND 10.0 06/08/10 10.48 4-Methyl-2-pentanone (MIBK) ug/L ND 10.0 06/08/10 10.48 4-Methyl-2-pentanone (MIBK) ug/L ND 10.0 06/08/10 10.48 Benzene ug/L ND 10.0 06/08/10 10.48 Berzene ug/L ND 1.0 06/08/10 10.48 Bromodichromethane ug/L ND 1.0 06/08/10 10.48 Bromodichromethane ug/L ND 1.	1,2,4-Trichlorobenzene	ug/L	ND	1.0	06/08/10 10:48	
1,2-Dichloroethane ug/L ND 1,0 05/08/10 10 48 1,2-Dichloropropane ug/L ND 1.0 06/08/10 10 48 1,3,5-Trimethylbenzene ug/L ND 1.0 06/08/10 10 48 1,3-Dichlorobenzene ug/L ND 1.0 06/08/10 10 48 1,4-Dichlorobenzene ug/L ND 1.0 06/08/10 10 48 2-Butanone (MEK) ug/L ND 10.0 06/08/10 10 48 2-Hexanone ug/L ND 10.0 06/08/10 10 48 4-Methyl-2-pentanone (MIBK) ug/L ND 10.0 06/08/10 10 48 Berzene ug/L ND 10.0 06/08/10 10 48 Berzene ug/L	1,2,4-Trimethy/benzene	ug/L	ND	1.0	06/08/10 10:48	
1,2-Dichloropropane ug/L ND 1.0 06/08/10 10 48 1,3,5-Trmethylbenzene ug/L ND 1.0 06/08/10 10 48 1,3-Dichlorobenzene ug/L ND 1.0 06/08/10 10 48 1,4-Dichlorobenzene ug/L ND 1.0 06/08/10 10 48 2-Butanone (MEK) ug/L ND 10.0 06/08/10 10 48 2-Hexanone ug/L ND 10.0 06/08/10 10 48 4-Methyl-2-pentanone (MIBK) ug/L ND 10.0 06/08/10 10 48 Acetone ug/L ND 10.0 06/08/10 10 48 Acetone ug/L ND 10.0 06/08/10 10 48 Benzene ug/L ND 1.0 06/08/10 10 48 Bernomochloromethane ug/L ND 1.0 06/08/10 10 48 Bromoform ug/L ND 1.0 06/08/10 10 48 Bromoform ug/L ND 1.0 06/08/10 10 48 Carbon disulfide ug/L ND 1.0 06/08/10 10 48<	1,2-Dichlorobenzene	ug/ L	ND	1.0	06/08/10 10.48	
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cis-1,3-Dichloropropene ug/L ND 1.0 06/08/10 10:48 Dibromochloromethane ug/L ND 1.0 06/08/10 10:48 Ethylbenzene ug/L ND 1.0 06/08/10 10:48 Isopropylbenzene (Cumene) ug/L ND 1.0 06/08/10 10:48 m&p-Xylene ug/L ND 1.0 06/08/10 10:48 Methyl-tert-butyl ether ug/L ND 1.0 06/08/10 10:48 Methylene Chloride ug/L ND 1.0 06/08/10 10:48 n-Butylbenzene ug/L ND 1.0 06/08/10 10:48 n-Propylbenzene ug/L ND 1.0 06/08/10 10:48 Naphthalene ug/L ND 1.0 06/08/10 10:48 o-Xylene ug/L ND 1.0 06/08/10 10:48 p-Isopropyltoluene ug/L ND 1.0 06/08/10 10:48 sec-Butylbenzene ug/L ND 1.0 06/08/10 10:48	Chloromethane	ug/L	ND	1.0	06/08/10 10.48	
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Ethylbenzene ug/L ND 1.0 06/08/10 10:48 Isopropylbenzene (Cumene) ug/L ND 1.0 06/08/10 10:48 m&p-Xylene ug/L ND 2.0 06/08/10 10:48 Methyl-tert-butyl ether ug/L ND 1.0 06/08/10 10:48 Methylene Chloride ug/L ND 1.0 06/08/10 10:48 n-Butylbenzene ug/L ND 1.0 06/08/10 10:48 n-Propylbenzene ug/L ND 1.0 06/08/10 10:48 Naphthalene ug/L ND 1.0 06/08/10 10:48 o-Xylene ug/L ND 1.0 06/08/10 10:48 p-Isopropyltoluene ug/L ND 1.0 06/08/10 10:48 sec-Butylbenzene ug/L ND 1.0 06/08/10 10:48	cis-1,3-Dichloropropene		ND	1.0	06/08/10 10:48	
Isopropylbenzene (Cumene) ug/L ND 1.0 06/08/10 10:48 m&p-Xylene ug/L ND 2.0 06/08/10 10:48 Methyl-tert-butyl ether ug/L ND 1.0 06/08/10 10:48 Methylene Chloride ug/L ND 1.0 06/08/10 10:48 n-Butylbenzene ug/L ND 1.0 06/08/10 10:48 n-Propylbenzene ug/L ND 1.0 06/08/10 10:48 Naphthalene ug/L ND 1.0 06/08/10 10:48 o-Xylene ug/L ND 1.0 06/08/10 10:48 p-Isopropyltoluene ug/L ND 1.0 06/08/10 10:48 sec-Butylbenzene ug/L ND 1.0 06/08/10 10:48	Dibromochloromethane	ug/L	ND	1.0	06/08/10 10:48	
m&p-Xylene ug/L ND 2.0 06/08/10 10:48 Methyl-tert-butyl ether ug/L ND 1.0 06/08/10 10:48 Methylene Chloride ug/L ND 1.0 06/08/10 10:48 n-Butylbenzene ug/L ND 1.0 06/08/10 10:48 n-Propylbenzene ug/L ND 1.0 06/08/10 10:48 Naphthalene ug/L ND 2.0 06/08/10 10:48 o-Xylene ug/L ND 1.0 06/08/10 10:48 p-Isopropyltoluene ug/L ND 1.0 06/08/10 10:48 sec-Butylbenzene ug/L ND 1.0 06/08/10 10:48	Ethylbenzene	ug/L	ND	1.0	06/08/10 10:48	
Methyl-tert-butyl ether ug/L ND 1.0 06/08/10 10:48 Methylene Chloride ug/L ND 1.0 06/08/10 10:48 n-Butylbenzene ug/L ND 1.0 06/08/10 10:48 n-Propylbenzene ug/L ND 1.0 06/08/10 10:48 Naphthalene ug/L ND 2.0 06/08/10 10:48 o-Xylene ug/L ND 1 0 06/08/10 10:48 p-Isopropyltoluene ug/L ND 1.0 06/08/10 10:48 sec-Butylbenzene ug/L ND 1.0 06/08/10 10:48	Isopropylbenzene (Cumene)	ug/L	ND	1.0	06/08/10 10:48	
Methylene Chloride ug/L ND 1.0 06/08/10 10.48 n-Butylbenzene ug/L ND 1.0 06/08/10 10:48 n-Propylbenzene ug/L ND 1.0 06/08/10 10:48 Naphthalene ug/L ND 2.0 06/08/10 10:48 o-Xylene ug/L ND 1 0 06/08/10 10:48 p-Isopropyltoluene ug/L ND 1.0 06/08/10 10:48 sec-Butylbenzene ug/L ND 1.0 06/08/10 10:48	m&p-Xylene	ug/L	ND	2.0	06/08/10 10:48	
n-Butylbenzene ug/L ND 1.0 06/08/10 10:48 n-Propylbenzene ug/L ND 1.0 06/08/10 10:48 Naphthalene ug/L ND 2.0 06/08/10 10:48 o-Xylene ug/L ND 1 0 06/08/10 10:48 p-Isopropyltoluene ug/L ND 1.0 06/08/10 10:48 sec-Butylbenzene ug/L ND 1.0 06/08/10 10:48	Methyl-tert-butyl ether	ug/L	ND	1.0	06/08/10 10:48	
n-Propylbenzene ug/L ND 1.0 06/08/10 10.48 Naphthalene ug/L ND 2.0 06/08/10 10:48 o-Xylene ug/L ND 1 0 06/08/10 10:48 p-Isopropyltoluene ug/L ND 1.0 06/08/10 10:48 sec-Butylbenzene ug/L ND 1.0 06/08/10 10:48	Methylene Chloride	ug/L	ND	1.0	06/08/10 10.48	
Naphthalene ug/L ND 2.0 06/08/10 10:48 o-Xylene ug/L ND 1 0 06/08/10 10:48 p-Isopropyltoluene ug/L ND 1.0 06/08/10 10:48 sec-Butylbenzene ug/L ND 1.0 06/08/10 10:48	n-Butylbenzene	ug/L	ND	1.0	06/08/10 10:48	
Naphthalene ug/L ND 2.0 06/08/10 10:48 o-Xylene ug/L ND 1 0 06/08/10 10:48 p-Isopropyltoluene ug/L ND 1.0 06/08/10 10:48 sec-Butylbenzene ug/L ND 1.0 06/08/10 10:48	n-Propylbenzene		ND	1.0	06/08/10 10.48	
o-Xylene ug/L ND 1 0 06/08/10 10:48 p-Isopropyltoluene ug/L ND 1.0 06/08/10 10:48 sec-Butylbenzene ug/L ND 1.0 06/08/10 10:48		-	ND	2.0	06/08/10 10:48	
p-Isopropyltoluene ug/L ND 1.0 06/08/10 10.48 sec-Buty/benzene ug/L ND 1.0 06/08/10 10:48	•	•	ND	10	06/08/10 10:48	
sec-Buty/benzene ug/L ND 1.0 06/08/10 10:48	•					
· · · · · · · · · · · · · · · · · · ·		-	ND	1.0	06/08/10 10:48	
		_	ND	1.0	06/08/10 10 48	

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REPORT OF LABORATORY ANALYSIS

Page 41 of 56

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CABOT-EPA 007174



(724)850-5600

QUALITY CONTROL DATA

Project:

2H/4H

Pace Project No.: 3028907

METHOD BLANK: 179619

Matrix: Water

Associated Lab Samples: 3028907001, 3028907002, 3028907003, 3028907004, 3028907005

		Blank	Reporting		
Parameter	Units	Result	Limit	Analyzed	Qualifiers
Tetrachloroethene	ug/L	ND ND	1.0	06/08/10 10:48	
Toluene	ug/L	ND	1.0	06/08/10 10:48	
trans-1,2-Dichloroethene	ug/L	ND	1.0	06/08/10 10:48	
trans-1,3-Dichloropropene	ug/L	ND	1.0	06/08/10 10:48	
Trichloroethene	ug/L	ND	1.0	06/08/10 10 48	
Vinyl chloride	ug/L	ND	10	06/08/10 10:48	
Xylene (Total)	ug/L	ND	3.0	06/08/10 10 48	
1,2-Dichloroethane-d4 (S)	%	96	70-130	06/08/10 10:48	
4-Bromofluorobenzene (S)	%	100	70-130	06/08/10 10:48	
Toluene-d8 (S)	%	103	70-130	06/08/10 10:48	

LABORATORY CONTROL SAMPLE.	179620					
		Spike	LCS	LCS	% Rec	
Parameter	Units	Conc.	Result	% Rec	Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	20	16.3	81	70-130	
1,1,2,2-Tetrachloroethane	u g /L	20	18.3	92	70-130	
,1,2-Trichloroethane	u g/L	20	16. 6	83	70-130	
,1-Dichloroethane	u g/L	20	17.4	87	70-130	
1-Dichloroethene	ug/L	20	15.9	80	70-130	
2,4-Trichlorobenzene	ug/L	20	16 0	80	70-130	
2,4-Trimethylbenzene	ug/L	20	19.2	96	70-130	
2-Dichlorobenzene	ug/L	20	18.5	92	70-130	
2-Dichloroethane	u g/ L	20	16.6	83	70-130	
2-Dichloropropane	ug/L	20	16.8	84	70-130	
3,5-Trimethylbenzene	ug/L	20	19.3	96	70-130	
3-Dichlorobenzene	ug/L	20	18.2	91	70-130	
-Dichlorobenzene	ug/L	20	18.9	94	70-130	
Butanone (MEK)	ug/L	20	19.1	95	70-130	
lexanone	ug/L	20	20.5	103	70-130	
lethyl-2-pentanone (MIBK)	ug/L	20	18.4	92	70-130	
etone	ug/L	20	24 6	123	70-130	
nzene	ug/L	20	17.7	88	70-130	
omochloromethane	ug/L	20	15.5	77	70-130	
omodichloromethane	ug/L	20	16.2	81	70-130	
omoform	ug/L	20	16.0	80	70-130	
omomethane	ug/L	20	26 5	133	70-130	L0
arbon disulfide	ug/L	20	16.6	83	70-130	
arbon tetrachloride	ug/L	20	15.6	78	70-130	
nlorobenzene	ug/L	20	17.6	88	70-130	
loroethane	ug/L	20	14.5	72	70-130	
loroform	ug/L	20	16.5	83	70-130	
loromethane	ug/L	20	15.2	76	70-130	
-1,2-Dichloroethene	ug/L	20	16.7	84	70-130	
s-1,3-Dichloropropene	ug/L	20	16.9	84	70-130	
ibromochloromethane	ug/L	20	17.2	86	70-130	

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REPORT OF LABORATORY ANALYSIS

Page 42 of 56

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CABOT-EPA 007175



QUALITY CONTROL DATA

Project

2H/4H

Pace Project No. 3028907

LABORATORY CONTROL SAMPLE	E: 179 62 0					
		Spike	LCS	LCS	% Rec	
Parameter	Units	Conc	Result	% Rec	Limits	Qualifiers
Ethylbenzene	ug/L	20	17.2	86	70-130	
sopropylbenzene (Cumene)	ug/L	20	20.2	101	70-130	
n&p-Xylene	ug/L	40	35 2	88	70-130	
Methyl-tert-butyl ether	ug/L	20	17.1	85	70-130	
Methylene Chloride	ug/L	20	15 8	79	70-130	
n-Butylbenzene	ug/L	20	19.4	97	70-130	
-Propylbenzene	ug/L	20	20 2	101	70-130	
Naphthalene	ug/L	20	18.3	91	70-130	
-Xylene	ug/L	20	17.1	85	70-130	
-Isopropyltoluene	ug/L	20	19 2	96	70-130	
ec-Butylbenzene	ug/L	20	19 8	99	70-130	
Styrene	ug/L	20	16 9	85	70-130	
etrachloroethene	ug/L	20	18.4	92	70-130	
oluene	ug/L	20	18 3	92	70-130	
rans-1,2-Dichtoroethene	ug/L	20	16 4	82	70-130	
rans-1,3-Dichloropropene	ug/L	20	16 7	84	70-130	
Trichloroethene	ug/L	20	16 1	80	70-130	
/inyl chloride	ug/L	20	15.6	78	70-130	
ylene (Total)	ug/L	60	52.3	87	70-130	
,2-Dichloroethane-d4 (S)	%			96	70-130	
-Bromofluorobenzene (S)	%			98	70-130	
oluene-d8 (S)	%			103	70-130	

MATRIX SPIKE & MATRIX SPIK	E DUPLICAT	E 17962	1		179622						
			MS	MSD							
	30	28907001	Spike	Spike	MS	MSD	MS	MSD	% Rec		
Parameter	Units	Result	Conc.	Conc.	Result	Result	% Rec	% Rec	Limits	RPD	Qual
1,1,1-Trichloroethane	ug/L	ND	20	20	15.7	15 4	78	77	70-130	2	
1,1,2,2-Tetrachloroethane	ug/L	ND	20	20	17.0	16.6	85	83	70-130	3	
1,1,2-Trichloroethane	ug/L	ND	20	20	14.9	14.7	74	73	70-130	1	
1,1-Dichloroethane	ug/L	ND	20	20	16.1	15.7	80	78	70-130	3	
1,1-Dichloroethene	ug/L	ND	20	20	17.5	16.7	88	83	70-130	5	
1,2,4-Trichlorobenzene	ug/L	ND	20	20	13.5	13.3	67	67	70-130	1 1	MO
1,2,4-Trimethylbenzene	ug/L	ND	20	20	17.6	16.7	88	84	70-130	5	
1,2-Dichlorobenzene	ug/L	ND	20	20	16.5	16.1	83	81	70-130	2	
1,2-Dichloroethane	ug/L	ND	20	20	15.7	14 2	78	71	70-130	10	
1,2-Dichloropropane	ug/L	ND	20	20	14 8	14.2	74	71	70-130	4	
1,3,5-Trimethylbenzene	ug/L	ND	20	20	17.8	17.2	89	86	70-130	3	
1,3-Dichlorobenzene	ug/L	ND	20	20	16.3	15.8	81	79	70-130	3	
1,4-Dichlorobenzene	ug/L	ND	20	20	16.7	16.1	84	81	70-130	4	
2-Butanone (MEK)	ug/L	ND	20	20	16.9	16.0	85	80	70-130	5	
2-Hexanone	ug/L	ND	20	20	19.0	16 8	95	84	70-130	12	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	20	20	18 1	17.4	90	87	70-130	4	
Acetone	ug/L	ND	20	20	17.3	17.0	87	85	70-130	2	
Benzene	ug/L	ND	20	20	15.6	15.3	78	77	70-130	1	
Bromochloromethane	ug/L	ND	20	20	14.7	14.0	73	70	70-130	5	
Bromodichloromethane	ug/L	ND	20	20	15.2	14.7	76	74	70-130	3	

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REPORT OF LABORATORY ANALYSIS

Page 43 of 56

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CABOT-EPA 007176



QUALITY CONTROL DATA

Project:

2H/4H

Pace Project No.: 3028907

MATRIX SPIKE & MATRIX SPI	KE DUPLICATE 179621				179622						
			MS	MSD							
	3	028907001	Spike	Spike	MS	MSD	MS	MSD	% Rec		
Parameter	Units	Result	Conc.	Conc.	Result	Result	% Rec	% Rec	Limits	RPD	Qual
Bromoform	ug/L	ND	20	20	14 4	14 5	72	73	70-130	.6	
Bromomethane	ug/L	ND	20	20	12.2	12.2	61	61	70-130	.3 1	/10
Carbon disulfide	ug/L	ND	20	20	18.1	17.4	91	87	70-130	4	
Carbon tetrachloride	ug/L	ND	20	20	15 6	15.8	78	79	70-130	1	
Chlorobenzene	ug/L	ND	20	20	15.8	15 7	79	78	70-130	.4	
Chloroethane	ug/L	ND	20	20	14.5	16 5	72	82	70-130	13	
Chloroform	ug/L	ND	20	20	15.3	14 8	76	74	70-130	3	
Chloromethane	ug/L	ND	20	20	14.1	15.7	70	79	70-130	11	
cis-1,2-Dichloroethene	ug/L	ND	20	20	15.7	14.9	79	74	70-130	6	
cis-1,3-Dichioropropene	ug/L	ND	20	20	14.8	14.5	74	72	70-130	2	
Dibromochloromethane	ug/L	ND	20	20	15.2	15.2	76	76	70-130	.009	
Ethylbenzene	ug/L	ND	20	20	15.6	15 6	78	78	70-130	.5	
Isopropylbenzene (Cumene)	ug/L	ND	20	20	18.4	18 0	92	90	70-130	2	
m&p-Xylene	ug/L	ND	40	40	32.6	32.3	81	81	70-130	.8	
Methyl-tert-butyl ether	ug/L	ND	20	20	16.7	16.0	84	80	70-130	4	
Methylene Chloride	ug/L	ND	20	20	15.0	14.1	75	70	70-130	6	
n-Butylbenzene	ug/L	ND	20	20	16.6	16.1	83	80	70-130	3	
n-Propylbenzene	ug/L	ND	20	20	18.5	17.8	92	89	70-130	4	
Naphthalene	ug/L	ND	20	20	15 5	16.1	78	80	70-130	3	
o-Xylene	ug/L	ND	20	20	15 5	15.4	77	77	70-130	.7	
p-Isopropyltoluene	ug/L	ND	20	20	17 2	16.9	86	84	70-130	2	
sec-Butylbenzene	ug/L	ND	20	20	178	17.5	89	88	70-130	2	
Styrene	ug/L	ND	20	20	15.7	15.5	79	78	70-130	1	
Tetrachloroethene	ug/L	ND	20	20	17.1	16.7	86	84	70-130	2	
Toluene	ug/L	ND	20	20	16.3	16.1	81	80	70-130	1	
trans-1,2-Dichloroethene	ug/L	ND	20	20	15.5	15.4	78	77	70-130	.6	
trans-1,3-Dichloropropene	ug/L	ND	20	20	15.3	15.0	76	75	70-130	2	
Trichloroethene	ug/L	ND	20	20	14.7	14.7	73	74	70-130	.5	
Vinyl chloride	ug/L	ND	20	20	16.3	18.0	81	90	70-130	10	
Xylene (Total)	ug/L	ND	60	60	48.1	47.7	80	79	70-130	.8	
1,2-Dichloroethane-d4 (S)	%						101	99	70-130		
4-Bromofluorobenzene (S)	%						98	99	70-130		
Toluene-d8 (S)	%						102	102	70-130		

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REPORT OF LABORATORY ANALYSIS

Page 44 of 56

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CABOT-EPA 007177



QUALITY CONTROL DATA

Project:

2H/4H

Pace Project No.:

3028907

QC Batch:

WET/5852

Analysis Method:

EPA 1664A

QC Batch Method:

EPA 1664A

Analysis Description:

Matrix: Water

Associated Lab Samples:

3028907001, 3028907002, 3028907003, 3028907004

1664 HEM, Oil and Grease

METHOD BLANK: 179670

Associated Lab Samples:

Parameter

3028907001, 3028907002, 3028907003, 3028907004

Blank Result Reporting Limit

Analyzed

Oil and Grease

mg/L

Units

ND

5.0 06/08/10 17:47

Qualifiers

METHOD BLANK: 179672

Matrix: Water

Associated Lab Samples:

3028907001, 3028907002, 3028907003, 3028907004

Blank

Reporting Limit

Analyzed

Qualifiers

Oil and Grease

Units mg/L

Result

ND

5 0 06/08/10 17 47

LABORATORY CONTROL SAMPLE:

Parameter

Parameter

Spike Conc

LCS

LCS % Rec % Rec

Oil and Grease

Oil and Grease

Units mg/L

Units

42.1

Result 38.7

92

90

Limits 78-114 Qualifiers

LABORATORY CONTROL SAMPLE:

Parameter

179673

mg/L

Spike Conc.

42.1

LCS Result

38.0

LCS % Rec

% Rec Limits

78-114

Qualifiers

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REPORT OF LABORATORY ANALYSIS

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CABOT-EPA 007178

Page 45 of 56

DIM0228411 DIM0227454



QUALITY CONTROL DATA

Project:

QC Batch.

2H/4H

Pace Project No.:

3028907

WET/5854

Analysis Method.

EPA 1664A

QC Batch Method:

EPA 1664A

Analysis Description:

Associated Lab Samples:

3028907001, 3028907002, 3028907003, 3028907004

1664 SGT-HEM, TPH

METHOD BLANK: 179676

Matrix. Water

Associated Lab Samples:

3028907001, 3028907002, 3028907003, 3028907004

Blank Result Reporting Limit

Analyzed

Total Petroleum Hydrocarbons

Parameter

mg/L

Units

Units

ND

5.0 06/08/10 17:44

LABORATORY CONTROL SAMPLE 179677

Parameter

Spike Conc.

LCS Result

LCS % Rec % Rec Limits

Qualifiers

Total Petroleum Hydrocarbons

mg/L

21.1

184

64-132

Qualifiers

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REPORT OF LABORATORY ANALYSIS

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Page 46 of 56

CABOT-EPA 007179



QUALITY CONTROL DATA

Project:

2H/4H

Pace Project No:

3028907

QC Batch:

WET/5858

Analysis Method.

SM 2310B

QC Batch Method:

SM 2310B

Analysis Description:

2310B Acidity, Total

Associated Lab Samples:

METHOD BLANK. 179743

Matrix: Water

Associated Lab Samples:

Parameter

Parameter

3028907001, 3028907002, 3028907003, 3028907004

3028907001, 3028907002, 3028907003, 3028907004

Blank Result

Reporting Limit

Analyzed

Acidity, Total

mg/L

Units

Units

ND

10.0 06/09/10 21:00

RPD

Qualifiers

SAMPLE DUPLICATE: 179744

3028462002 Result

Dup Result

ND

Qualifiers

Acidity, Total

mg/L

ND

D6

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CABOT-EPA 007180

Page 47 of 56



QUALITY CONTROL DATA

Project:

2H/4H

Pace Project No.:

3028907

QC Batch:

WET/5840

Analysis Method:

SM 2320B

QC Batch Method:

SM 2320B

Analysis Description.

Associated Lab Samples:

3028907001, 3028907002, 3028907003, 3028907004

2320B Alkalinity

METHOD BLANK: 179317

Matrix: Water

Associated Lab Samples:

3028907001, 3028907002, 3028907003, 3028907004

Blank

Limit

Analyzed

Qualifiers

Alkalinity, Total as CaCO3

mg/L

Units

Units

Units

Result

ND

10.0 06/07/10 19 31

LABORATORY CONTROL SAMPLE.

Parameter

Parameter

Parameter

Parameter

179318

179319

mg/L

LCS Spike

Result

LCS % Rec % Rec Limits

Qualifiers

Alkalinity, Total as CaCO3

MATRIX SPIKE SAMPLE:

Alkalinity, Total as CaCO3

mg/L

Conc 20 Result 18.0

36.0

36.0

90

94

85-115

3028418003

Spike Conc.

MS Result

130

MS % Rec % Rec Limits

80-120

Qualifiers

SAMPLE DUPLICATE: 179320

3028418003

Dup

100

RPD

Qualifiers

Alkalinity, Total as CaCO3

mg/L

Units

Result

Result

36.0

0

Date: 06/11/2010 05.13 PM

REPORT OF LABORATORY ANALYSIS

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CABOT-EPA 007181

Page 48 of 56

DIM0228414 DIM0227454



QUALITY CONTROL DATA

Project:

2H/4H

Pace Project No:

3028907

WET/5842

QC Batch:

Analysis Method:

SM 2540C

QC Batch Method: SM 2540C

Analysis Description:

2540C Total Dissolved Solids

Associated Lab Samples:

3028907001, 3028907002, 3028907003, 3028907004

METHOD BLANK: 179329 Associated Lab Samples

Matrix: Water 3028907001, 3028907002, 3028907003, 3028907004

Blank

Reporting

Analyzed

Qualifiers

Total Dissolved Solids

Units

Units

Result

Limit

mg/L

ND

10.0 06/07/10 18:35

LABORATORY CONTROL SAMPLE:

Parameter

Parameter

Parameter

179330

Spike

LCS

LCS

100

% Rec Limits

Qualifiers

Total Dissolved Solids

Total Dissolved Solids

Units mg/L

mg/L

Conc 1000 Result 997 % Rec

85-115

SAMPLE DUPLICATE: 179779

3028907004 Result

182

Dup Result

176

RPD

Qualifiers

3

Date: 06/11/2010 05:13 PM

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CABOT-EPA 007182

Page 49 of 56



Pace Analytical Services, Inc.

1638 Roseytown Road - Suites 2,3,4 Greensburg, PA 15601 (724)850-5600

QUALITY CONTROL DATA

Project:

2H/4H

Pace Project No.:

3028907

QC Batch:

WET/5862

Analysis Method:

SM 4500-H+B

QC Batch Method:

SM 4500-H+B

Analysis Description.

Associated Lab Samples

4500H+B pH

RPD

3028907001, 3028907002, 3028907003, 3028907004

SAMPLE DUPLICATE: 179943

Parameter

3029007001 Result

Dup Result

Qualifiers

pH at 25 Degrees C

Std. Units

Units

7.9

.3 H6

Date: 06/11/2010 05:13 PM

REPORT OF LABORATORY ANALYSIS

Page 50 of 56

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CABOT-EPA 007183



QUALITY CONTROL DATA

Project:

2H/4H

Pace Project No:

3028907

QC Batch

WET/5829

Parameter

Analysis Method:

SM 5540C

QC Batch Method:

SM 5540C

Analysis Description:

5540C MBAS Surfactants

Associated Lab Samples:

METHOD BLANK: 178930

Matrix. Water

Associated Lab Samples:

3028907001, 3028907002, 3028907003, 3028907004

3028907001, 3028907002, 3028907003, 3028907004

Blank

Reporting Limit

Analyzed

Surfactants

mg/L

Units

Units

Units

Units

Result

Qualifiers

ND

0 10 06/04/10 15:55

METHOD BLANK: 178931 Associated Lab Samples

3028907001, 3028907002, 3028907003, 3028907004

Limit

Reporting

Analyzed

Qualifiers

Surfactants

mg/L

Blank Result

ND

Matrix: Water

0.10 06/04/10 15:55

LABORATORY CONTROL SAMPLE:

Parameter

Parameter

Parameter

178932

Spike

LCS

ND

ND

LCS

% Rec Limits

Qualifiers

Surfactants

mg/L

Conc.

Result 0.95 % Rec

85-115 SU

MATRIX SPIKE SAMPLE:

178934

mg/L

mg/L

3028907004 Result

Spike Conc.

MS Result

MS % Rec % Rec Limits

85-115

Qualifiers

Surfactants

Surfactants

SAMPLE DUPLICATE: 178933

Parameter

Units

3028907003 Result

Dup Result

ND

RPD

0.97

Qualifiers

97

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Page 51 of 56

CABOT-EPA 007184

DIM0228417 DIM0227454



QUALITY CONTROL DATA

Project.

2H/4H

Pace Project No:

3028907

QC Batch.

WETA/4460

Analysis Method

EPA 350.1

QC Batch Method:

EPA 350.1

Analysis Description

350.1 Ammonia, Distilled

Associated Lab Samples:

3028907001, 3028907002, 3028907003, 3028907004

METHOD BLANK: 180575

Matrix Water

Associated Lab Samples:

3028907001, 3028907002, 3028907003, 3028907004

Blank

Reporting

Limit Analyzed

Qualifiers

Ammonia, Distilled

Ammonia, Distilled

Ammonia, Distilled

Ammonia, Distilled

mg/L

Units

Units

Units

Result

ND

0.10 06/10/10 11:17

LABORATORY CONTROL SAMPLE: 180576

Parameter

Parameter

Parameter

Parameter

Spike Conc.

LCS Result

LCS % Rec % Rec

4.0

Qualifiers

100

Limits 85-115 107

MATRIX SPIKE SAMPLE:

180577

mg/L

mg/L

mg/L

3028907004 Result

Result

ND

Spike MS Conc Result

4

ND

MS % Rec % Rec Limits

85-115

Qualifiers

SAMPLE DUPLICATE: 180578

3028907004 Units

ND

Dup Result

4.3

RPD

Qualifiers

Date: 06/11/2010 05:13 PM

REPORT OF LABORATORY ANALYSIS

Page 52 of 56

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CABOT-EPA 007185

DIM0228418 DIM0227454



QUALITY CONTROL DATA

Project:

2H/4H

Pace Project No.:

3028907

QC Batch:

WETA/4430 SM 4500-CI-E Analysis Method

SM 4500-CI-E

QC Batch Method.

Analysis Description.

4500 Chloride

Associated Lab Samples:

3028907001, 3028907002, 3028907003, 3028907004

METHOD BLANK: 179521

Matrix: Water

Associated Lab Samples. Parameter

3028907001, 3028907002, 3028907003, 3028907004

Result

Reporting Limit

Analyzed

Chloride

Chloride

Chloride

Chloride

mg/L

ND

3.0 06/08/10 10:34

Qualifiers

LABORATORY CONTROL SAMPLE.

Parameter

Parameter

Parameter

179522

Units

Units

Units

Units

Spike Conc.

LCS Result

40 0

LCS % Rec

100

% Rec Limits

Qualifiers

85-115

61

MATRIX SPIKE SAMPLE:

179523

mg/L

mg/L

mg/L

3028424008 Result

40

Spike Conc.

MS Result

MS % Rec % Rec Limits

85-115 M1

Qualifiers

SAMPLE DUPLICATE: 179524

Result

3028424008

78 4

78 4

Dup Result

78.5

20

RPD

.05

90.7

Qualifiers

Date: 06/11/2010 05:13 PM

REPORT OF LABORATORY ANALYSIS

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Page 53 of 56

CABOT-EPA 007186



QUALIFIERS

Project:

2H/4H

Pace Project No.: 3028907

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is NELAP accredited. Contact your Pace PM for the current list of accredited analytes.

LABORATORIES

PASI-PA Pace Analytical Services - Greensburg

WORKORDER QUALIFIERS

WO: 3028907

The samples were subcontracted to Summit Environmental, 3310 Win Street, Cuyahoga Falls, OH 44223 for Glycol [1]

analysis Results of the analysis are reported on the Summit Environmental, data tables

[2] This project was revised on 6/11/10 in order to Jflag dissolved Tl.

BATCH QUALIFIERS

Batch. OEXT/5121

fM51 A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

Batch: OEXT/5122

A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume. [M5]

Batch: OEXT/5125

[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

ANALYTE QUALIFIERS

D6 The relative percent difference (RPD) between the sample and sample duplicate exceeded laboratory control limits.

Н6 Analysis initiated more than 15 minutes after sample collection.

L0 Analyte recovery in the laboratory control sample (LCS) was outside QC limits

M0 Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

М1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

SU MBAS, calculated as LAS, Mol wt 342.2 g/mol

Date: 06/11/2010 05:13 PM

REPORT OF LABORATORY ANALYSIS

Page 54 of 56

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CABOT-EPA 007187



Pace Analytical Services, Inc.

1638 Roseytown Road - Suites 2,3,4 Greensburg, PA 15601

(724)850-5600

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project:

2H/4H

Pace Project No: 3028907

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
3028907001	MW-1	EPA 3510	OEXT/5125	EPA 8015B Modified	GCSV/2547
3028907002	MW-X	EPA 3510	OEXT/5125	EPA 8015B Modified	GCSV/2547
3028907003	MW-2	EPA 3510	OEXT/5125	EPA 8015B Modified	GCSV/2547
3028907004	MW-4	EPA 3510	OEXT/5125	EPA 8015B Modified	GCSV/2547
3028907001	MW-1	EPA 5030/8015 Mod	GCV/1359		
3028907002	MW-X	EPA 5030/8015 Mod.	GCV/1359		
3028907003	MW-2	EPA 5030/8015 Mod.	GCV/1359		
3028907004	MW-4	EPA 5030/8015 Mod.	GCV/1359		
3028907001	MW-1	EPA 3005	MPRP/3995	EPA 6010B	ICP/3580
3028907002	MW-X	EPA 3005	MPRP/3995	EPA 6010B	ICP/3580
3028907003	MW-2	EPA 3005	MPRP/3995	EPA 6010B	ICP/3580
3028907004	MW-4	EPA 3005	MPRP/3995	EPA 6010B	ICP/3580
3028907001	MW-1	EPA 3005	MPRP/4002	EPA 6010	ICP/3584
3028907002	MW-X	EPA 3005	MPRP/4002	EPA 6010	ICP/3584
3028907003	MW-2	EPA 3005	MPRP/4002	EPA 6010	ICP/3584
3028907004	MW-4	EPA 3005	MPRP/4002	EPA 6010	ICP/3584
3028907001	MW-1	EPA 7470	MERP/1990	EPA 7470	MERC/1939
3028907002	MW-X	EPA 7470	MERP/1990	EPA 7470	MERC/1939
3028907003	MW-2	EPA 7470	MERP/1990	EPA 7470	MERC/1939
3028907004	MW-4	EPA 7470	MERP/1990	EPA 7470	MERC/1939
3028907001	MW-1	EPA 7470	MERP/1995	EPA 7470	MERC/1943
3028907002	MW-X	EPA 7470	MERP/1995	EPA 7470	MERC/1943
3028907003	MW-2	EPA 7470	MERP/1995	EPA 7470	MERC/1943
3028907004	MW-4	EPA 7470	MERP/1995	EPA 7470	MERC/1943
3028907001	MW-1	EPA 3510	OEXT/5122	EPA 8270 by SIM	MSSV/2174
3028907002	MW-X	EPA 3510	OEXT/5122	EPA 8270 by SIM	MSSV/2174
3028907003	MW-2	EPA 3510	OEXT/5122	EPA 8270 by SIM	MSSV/2174
3028907004	MW-4	EPA 3510	OEXT/5122	EPA 8270 by SIM	MSSV/2174
3028907001	MW-1	EPA 3510	OEXT/5121	EPA 8270	MSSV/2172
3028907002	MW-X	EPA 3510	OEXT/5121	EPA 8270	MSSV/2172
3028907003	MW-2	EPA 3510	OEXT/5121	EPA 8270	MSSV/2172
3028907004	MW-4	EPA 3510	OEXT/5121	EPA 8270	MSSV/2172
3028907001	MW-1	EPA 8260	MSV/6094		
3028907002	MW-X	EPA 8260	MSV/6094		
3028907003	MW-2	EPA 8260	MSV/6094		
3028907004	MW-4	EPA 8260	MSV/6094		
3028907005	TRIP BLANK	EPA 8260	MSV/6094		
3028907001	MW-1	EPA 1664A	WET/5852		
3028907002	MW-X	EPA 1664A	WET/5852		
3028907003	MW-2	EPA 1664A	WET/5852		
3028907004	MW-4	EPA 1664A	WET/5852		
3028907001	MW-1	EPA 1664A	WET/5854		
3028907002	MW-X	EPA 1664A	WET/5854		
3028907003	MW-2	EPA 1664A	WET/5854		

Date: 06/11/2010 05:13 PM

REPORT OF LABORATORY ANALYSIS

Page 55 of 56

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CABOT-EPA 007188



(724)850-5600

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project.

2H/4H

Pace Project No ·

3028907

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
3028907004	MW-4	EPA 1664A	WET/5854		-
3028907001	MW-1	SM 2310B	WET/5858		
3028907002	MW-X	SM 2310B	WET/5858		
3028907003	MW-2	SM 2310B	WET/5858		
3028907004	MW-4	SM 2310B	WET/5858		
3028907001	MW-1	SM 2320B	WET/5840		
3028907002	MW-X	SM 2320B	WET/5840		
8028907003	MW-2	SM 2320B	WET/5840		
3028907004	MW-4	SM 2320B	WET/5840		
3028907001	MW-1	SM 2540C	WET/5842		
3028907002	MW-X	SM 2540C	WET/5842		
8028907003	MW-2	SM 2540C	WET/5842		
3028907004	MW-4	SM 2540C	WET/5842		
3028907001	MW-1	SM 4500-H+B	WET/5862		
3028907002	MW-X	SM 4500-H+B	WET/5862		
3028907003	MW-2	SM 4500-H+B	WET/5862		
3028907004	MW-4	SM 4500-H+B	WET/5862		
3028907001	MW-1	SM 5540C	WET/5829		
3028907002	MW-X	SM 5540C	WET/5829		
3028907003	MW-2	SM 5540C	WET/5829		
3028907004	MW-4	SM 5540C	WET/5829		
3028907001	MW-1	EPA 350.1	WETA/4460		
3028907002	MW-X	EPA 350.1	WETA/4460		
3028907003	MW-2	EPA 350.1	WETA/4460		
3028907004	MW-4	EPA 350.1	WETA/4460		
3028907001	MW-1	SM 4500-CI-E	WETA/4430		
3028907002	MW-X	SM 4500-CI-E	WETA/4430		
3028907003	MW-2	SM 4500-CI-E	WETA/4430		
3028907004	MW-4	SM 4500-CI-E	WETA/4430		

Date. 06/11/2010 05:13 PM

REPORT OF LABORATORY ANALYSIS

Page 56 of 56

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CABOT-EPA 007189



LABORATORY REPORT

Client

Pace Analytical 1638 Roseytown Road Greensburg, PA 15601

> Order Number 1008440

Project Number 3028907

Issued

Thursday, June 10, 2010

Total Number of Pages

4 (excluding C.O.C. and cooler receipt form)

Approved By:

QA Manager

NELAC Accreditation #E87688

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CABOT-EPA 007190



2

Sample Summary

Client: <u>Pace Analytical</u> Order Number: <u>1008440</u>

Laboratory ID	Client ID	Matrix	Sampling Date
1008440-01	3028907001	Liquid	6/3/2010
1008440-02	3028907002	Liquid	6/3/2010
1008440-03	3028907003	Liquid	6/3/2010
1008440-04	3028907004	Liquid	6/4/2010

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Web Site: www.settek.com

CABOT-EPA 007191



3

Report Narrative

Client: <u>Pace Analytical</u> Order Number: <u>1008440</u>

No problems were encountered during analysis of this order number, except as noted.

Data Qualifiers:

B = Analyte found in the method blank

J = Estimated concentration of analyte between MDL (LOD) and Reporting Limit (LOQ)

C = Analyte has been confirmed by another instrument or method

E = Analyte exceeds the upper limit of the calibration curve.

D = Sample or extract was analyzed at a higher dilution

X = User defined data qualifier.

S = Surrogate out of control limits

U = Undetected

a = Not Accredited by NELAC

ND = Non Detected at LOQ

DF = Dilution Factor

Limit Of Quantitation (LOQ) = Laboratory Reporting Limit (not adjusted for dilution factor) Limit Of Detection (LOD) = Laboratory Detection Limit

Estimated uncertainty values are available upon request.

The test results meet the requirements of the NELAC standard, except where noted. The information contained in this analytical report is the sole property of Summit Environmental Technologies, Inc. and that of the client. It cannot be reproduced in any form without the consent of Summit Environmental Technologies, Inc. or the client for which this report was issued. The results contained in this report are only representative of the samples received. Conditions can vary at different times and at different sampling conditions. Summit Environmental Technologies, Inc. is not responsible for use or interpretation of the data included herein.

Matrices: A = Air C = Cream DW = Drinking Water L = Liquid

O = Oil
SL = Sludge
SO = Soil
S = Solid
T = Tablet
TC = TCLP Extract
WW = Waste Water

W = Wipe

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CABOT-EPA 007192



June 10, 2010

Client: Pace Analytical Address: 1638 Roseytown Road

Greensburg, PA 15601

Received: 6/8/2010 Project #: 3028907

Client ID# 3028907001	<u>Lab ID#</u> 1008440-01	<u>Collected</u> <u>Analyte</u> 03-Jun-10 Ethylene glycol	Result ND	Units Mate mg/L I	ix Method 8015	<u>Dr</u> 1	100 10	Run Analyst 10-Jun-10 JBN
Client ID# 3028907002	<u>Lab ID#</u> 1008440-02	Collected Analyte 03-Jun-10 Ethylene glycol	<u>Result</u> ND	Units Mate	nx <u>Method</u> . 8015	<u>DF</u> 1	<u>LOQ</u> 10	Run Analyst 10-Jun-10 JBN
Chent 1D# 3028907003	<u>Lab ID#</u> 1008440-03	Collected Analyte 03-Jun-10 Ethylene glycol	Result ND	Units Mate	rix Method . 8015	<u>DΓ</u> 1	<u>LOO</u> 10	Run Analyst 10-Jun-10 JBN
Client ID# 3028907004	<u>l.ab II)#</u> 1008440-04	Collected Analyte 04-Jun-10 Ethylene glycol	Result ND	Units Mate	rix Method 8015	<u>DI</u> :	<u>LOQ</u> 10	<u>Run Analyst</u> 10-Jun-10 JBN

Page 4

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CABOT-EPA 007193

	Pace Analytic						Si		Project No.: O. No: ASR-	3028907
	Analytical Services					Request Dat Shipped B		Analy	sis Due Date:	6/10/20
uite	Roseytown Road is 2,3, & 4 insburg, PA 15601					Certifica	tion Required:		PA Cert	
hon	e: (724) 850-5600						e Project No.:		3028907	
AX:	(724) 850-5601				Page of	1 Rep	ort/Invoice to:		Tim Reed	
T	Pace Sample ID:	Matrix:	Collection Date:	Time:		Analysis Requested:		Analytical Method:	Detection Limits:	Units Requested
1	3028907001	WT	6/3/10	14:30	Ethylene Glycol			8015		
2	3028907002	WT	6/3/10	14:45	Ethylene Glycol			8015		
3	3028907003 3028907004	WT	6/3/10	16:15 8:00	Ethylene Glycol Ethylene Glycol			8015 8015		
* -	3020907004	VV 1	0/4/10	8:00	Ethylene Glycol			6019		
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•	al Requirements;	Summit Env	ironmental Te	chnoloige I	no.	Analysis Authorized By:		•		C
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hone	ə:	330-253-821				Acceptance of Terms by.	Subcontract Lab	Agent		Tille
elino	quised By:	SBa	سرور	(a)-	1/10/525	Received By			68	-10 KB
		(Signature & Affi	manel)		(Date) (Time)	Received By	(Signature & Affi	iauon)		(Date) (Time)
dine	uised By:		•				<i>r</i> -			

DIM0227454

DIM0228427

Summit Environmental Technologies, Inc. Cooler Receipt Form

Client Pace	Order Numb	er:/	008440
Date Received: 6-8-10		0	145
Number of Coolers/Boxes:/	N/A		
Shipper: FED EX UPS DHL Airborne	B US Postal Walk-in	Pickup	Other:
Packaging: Peanuts Bubbl	e Wrap Paper Foar	n None	Other:
Tape on cooler/box:	$-\bigcirc$	N	N/A
Custody Seals intact	(R)	N	N/A
C-O-C in plastic	Ø	N	N/A
ice Blue ice	present at	seni / me	alted N/A
Sample Temperature	٩.5	•c	N/A
C-O-C filled out properly	\mathcal{Q}	N	N/A
Samples in separate bags	(D)	И	N/A
Sample containers intact ⁴ .	(3)	N	N/A
*If no, list broken sample(s):			
	(2)		
Sample label(s) complete (ID, date, etc.)		N 	N/A
Label(s) agree with C-O-C	(1)	Ņ	N/A
Correct containers used	(D)	N N	N/A
Sufficient sample received	Y	N 	N/A
Bubbles absent from 40 mL visis**	Υ	N	N/A
** Samples with bubbles less than the size of			
Was client contacted about samples	Y	N	
Will client send new samples	Y	N	
Client contact:		•	
Date/Time:			•
.ogged in by:			
Comments:			

Rev. 6

FORM 1 SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

Lab Name:		Contract:		MB
Lab Code:	Case No.:	SAS No.:	SDG No.:	30MSS1-MSS106081

Matrix: (soil/water) WATER Lab Sample ID: 179441
Sample wt/vol: 1000 (g/mL) ML Lab File ID: M10608A1

Level: (low/med) LOW Date Received: 06/07/10 % Moisture: _____ decanted: (Y/N) ____ Date Extracted: 07/11/91

Concentrated Extract Volume: 1000(uL) Date Analyzed: 06/08/10

Injection Volume: ____(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CONCENTRATION UNITS: Number TICs found: 6 (ug/L or ug/Kg) ug/L

1	T	I		
CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	
1,	UNKNOWN	2.58		
2.	UNKNOWN	4.27	2.66	
3. 1120-21-4	UNDECANE	5.48	0.607	
4. 57-10-3	HEXADECANOIC ACID	10.15	0.981	
5.	UNKNOWN	12.92	1.07	
6.	UNKNOWN	13.01	0.753	
7		23.02	055	
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FORM 1 URS Corporation - PG04-JUN-2010 14:30 SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name:		Contract:		MW-1	
Lab Code: (Case No.:	SAS No.:	SDG	No.: 30MSS1-MSS1	.06081
Matrix: (soil/water)	WATER		Lab Sample ID:	3028907001	
Sample wt/vol:	910.0 (g/mL) ML		Lab File ID:	M10608A3	
Level: (low/med)	LOW		Date Received:	: 06/04/10	
% Moisture:	decanted: (Y/N)_		Date Extracted	1:07/11/91	
Concentrated Extract	Volume: 1000(uL)	Date Analyzed:	: 06/08/10	
Injection Volume:	(uL)		Dilution Facto	or: 1.0	

GPC Cleanup: (Y/N) N pH: 7.0

Number TICs found: 8 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

	<u> </u>			1
CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
		=======		=====
1.	UNKNOWN	4.27		
2. 1120-21-4	UNDECANE	5.49		
3.	UNKNOWN	6.08		
4. 143-07-7	DODECANOIC ACID	8.40	1.24	NJ
5. 57-10-3	N-HEXADECANOIC ACID	10.15	1.92	UN
6. 301-02-0	9-OCTADECENAMIDE, (Z)-	11.62	1.68	UNJ
7. 117-81-7	BIS(2-ETHYLHEXYL) PHTHALATE	12.17	0.819	LN L
8. 112-84-5	ERUCYLAMIDE \$\$ 13-DOCOSENAMI			LNJ
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FORM 1 URS Corporation - PG04-JUN-2010 14:30 SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

			MW-2
ds	Name:	Contract:	

Lab Code: Case No.: SAS No.: SDG No.: 30MSS1-MSS106081

Lab Sample ID: 3028907003 Matrix: (soil/water) WATER

Sample wt/vol: 900.0 (g/mL) ML Lab File ID: M10608A5

Level: (low/med) LOW Date Received: 06/04/10

% Moisture: _____ decanted: (Y/N)____ Date Extracted:07/11/91

Concentrated Extract Volume: 1000(uL) Date Analyzed: 06/08/10

Injection Volume: ____(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CONCENTRATION UNITS: Number TICs found: 8 (ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 2. 1120-21-4 3. 4. 143-07-7 5. 57-10-3 6. 301-02-0 7. 301-02-0 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27. 28. 29. 30.	UNKNOWN UNDECANE UNKNOWN DODECANOIC ACID N-HEXADECANOIC ACID 9-OCTADECENAMIDE, (Z)- 9-OCTADECENAMIDE, (Z)- UNKNOWN	4.27 5.49 6.08 8.40 10.15 11.62 12.92 13.50	3.62 0.827 0.528 1.12 1.48 1.46 2.72 0.578	Ј СИ СИ СИ СИ СИ СИ

FORM 1 URS Corporation - PG04-JUN-2010 14:30 SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Contract: MW-4

Lab Code: Case No.: SAS No.: SDG No.: 30MSS1-MSS106081

Matrix: (soil/water) WATER Lab Sample ID: 3028907004

Sample wt/vol: 940.0 (g/mL) ML Lab File ID: M10608A6

Level: (low/med) LOW Date Received: 06/04/10

% Moisture: ____ decanted: (Y/N) ___ Date Extracted:07/11/91

Concentrated Extract Volume: 1000(uL) Date Analyzed: 06/08/10

Injection Volume: ____(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CONCENTRATION UNITS: Number TICs found: 18 (ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 2. 3. 124-18-5 4. 5. 6. 143-07-7 7. 8. 57-10-3 9. 10. 57-11-4 11. 12. 13. 14. 74685-30-6 15. 301-02-0 16. 0-00-0	UNKNOWN UNKNOWN DECANE UNKNOWN UNKNOWN UNKNOWN DODECANOIC ACID UNKNOWN N-HEXADECANOIC ACID UNKNOWN OCTADECANOIC ACID UNKNOWN UNKNOWN UNKNOWN UNKNOWN UNKNOWN 5-EICOSENE, (E)- 9-OCTADECENAMIDE, (Z)- HEPTAFLUOROBUTYRIC ACID, N-O NONACOSANOL	2.58 4.27 5.48 6.09 7.61 8.40 9.95 10.15 10.83 10.92 11.62 11.62 12.35 12.91	1.01 3.69 0.833 1.17 0.784 1.69 0.487 4.26 0.474 3.12 1.66 0.780 0.635 1.04 2.76	

FORM 1

URS Corporation - PG04-JUN-2010 14:30

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name:

Contract:

MW-X

Lab Code:

Case No.:

SAS No.:

SDG No.: 30MSS1-MSS106081

Matrix: (soil/water) WATER

Lab Sample ID: 3028907002

Sample wt/vol: 925.0 (g/mL) ML

Lab File ID: M10608A4

Level: (low/med) LOW

Date Received: 06/04/10

% Moisture: ____ decanted: (Y/N)___

Date Extracted:07/11/91

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 06/08/10

Injection Volume: ____(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: 7.0

Number TICs found: 10

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	~
1. 2. 3. 4. 1120-21-4 5. 6. 143-07-7 7. 57-10-3 8. 0-00-0 9. 1120-16-7 10. 301-02-0 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27. 28. 29. 30.	UNKNOWN UNKNOWN UNKNOWN UNDECANE UNKNOWN DODECANOIC ACID HEXADECANOIC ACID Z-8-HEXADECENE DODECANAMIDE \$\$ LAURAMIDE \$\$ 9-OCTADECENAMIDE, (Z)-	2.58 4.27 4.77 5.49 6.08 8.40 10.15 10.66	0.480 3.31 2.64 0.687	Д Д Д СИ СИ СИ СИ СИ

FORM I SV-TIC

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1	Pace Analytical*

CHAIN-OF-CUSTODY / Analytical Request Document The Chain-of-Custody is a LEGAL DOCUMENT, All relevant fields must be completed accurately,

www.pacelabs.com				r	3
Section A Required Client Information	Section B Required Project Information:		Section C	Page:	of
Company URS Corp		Potre usurpa	Attention David Testa		1361789
Address 01 Holiday Dress +3	COPY TO: NAVIN TO	step uscarocon	Company Name: UKS COTO	REGULATORY AGENCY	
Pittsburgh PAIS200		al ko e wis corp.cm		i NPDES (GROUND WA	ATER : DRINKING WATER
Email To: Tames -Pintal Sissing	Purchase Order No:	CI EN ENIS COIPION		T UST T RCRA	C OTHER
Phone: The Sales of the Sales	Project Name:	- 1 1 las 1	Page Project		1
Phone: 503-4502 Fax 53 470 Requested Due Date/TAT: 72		21+/41+	Manager Tim Reed	VA	
Requested Due Date/ AT: 3124	39938	634,00018	l	STATE:	<u> </u>
	····			Analysis Filtered (Y/N)	
Section 0 Matrix 0 Required Client information MATRIX	Codes & G	COLLECTED	Preservatives >		
Drinking Wat	her DW # 8		11111120	 	T
Water Waste Water	WT 8 0 compos		16 627V	6005 6005 4 A 2 Heg 2 2 Heg 2 2 Heg 2 2 Heg 2 4 A 3 1 Heg 3 1 Heg 3 1 Heg 3 1 Heg 3 1 Heg 3 1 Heg 4 Heg 5 1 Heg 6 1 Heg 6 1 Heg 6 1 Heg 6 1 Heg 7 Heg 8 1 Heg	,
Product Soil/Solid	P W SK			8005 8015 844 844 8678 8678	
SAMPLE ID OIL Wipe	we 1 5	- I o	CONTAINERS 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1	13/01/80	
(A-Z, 0-9 / ,-) Air Sample IDs MUST BE UNIQUE Tissue	CODE TYPE (G	TEMP AT C		- 15 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	3
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		THE DATE THE		AAAH AAO 8 1 5	Pace Project No./ Lab I.D.
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2 NW-X	WT C	6-3-19/445	1981119		CC3
3 MW-Z	WG	6.370 615	170119 XXXX	XXXXXXXX	
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ADDITIONAL COMMENTS	RELINQUISHED BY ()	AFFILIATION DATE	TIME ACCEPTED BY AFFILIATION	DATE TIME	SAMPLE CONDITIONS
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ORI	GINAL L	SAMPLER NAME AND SIGNATUR			Raceived on Ica (YIN) Custady Sealed Cooler (YIN) Samples Intect (YIN)
	1	PRINT Name of SAMPLER	111100100000000000000000000000000000000		Received or ICa (YIN) Custody Saeled Coole (YIN) Samples Inta
		SIGNATURE of SAMPLER	(MM/DDYY):	09/7/10	· · · · · · · · · · · · · · · · · · ·
*Import > By signing this form you are accept	ting Pace's NET 30 day payment terms an	d agreeing to tale charges of 1.5% per mon	n for z ces no partikultun 30 days	F-ALL-	-Q-020rev 07, 15-Mr '97

San	nple Condi	lion	Upon Re	eceipt			
Pace Analytical Client Name	: URS				Proje	ect # 3028°	107
f					•		
Courier: Fed Ex UPS USPS Clien	it Commerc	cial	□Pace C	Other .	, ''	Optional Proj. Due Date:	#* <i>y</i>
Custody Seal on Cooler/Box Present:	☐ no	Seals i	ntact:	yes	☐ no	Proj. Name:	
Packing Material: Bubble Wrap Bubble	Bags No	ne [Other				
Thermometer Used (3) 5	Type of Ice:	(Wei)	Blue No	ne	Sampl	es on ice, cooling process h	as begun
Cooler Temperature 2-7	Biological Ti	ssue i	s Frozen:	Yes No		ate and Initials of person econtents: LELOO/ O	
Temp should be above freezing to 6°C			Comments	3:			
Chain of Custody Present:	☑Yes □No	□n/a	1.				
Chain of Custody Filled Out:	Pyes □No	□N/A	2				
Chain of Custody Relinquished		□N/A	3.				
Sampler Name & Signature on COC	res □No	□N/A	4.				·····
Samples Arrived within Hold Time:	MYBS DNO	□N/A	5.				
Short Hold Time Analysis (<72hr):	∐Yes □No	□n/a	6.				
Rush Turn Around Time Requested:	Yes DNo	□n/a	7.				
Sufficient Volume:	⊞Yes □No	□n/a	8.				
Correct Containers Used:	∰Yes □No	□N/A	9.				
-Pace Containers Used:	'Eyes □No	□n/A					
Containers Intact:	Øyes □No	□N/A	10.				
Filtered volume received for Dissolved tests	□Yes □No	ØN/A	11.				
Sample Labels match COC:	ØYes □No	□n/a	12.				
-Includes date/time/ID/Analysis Matrix	7						
All containers needing preservation have been checked.	ØYes □No	□n/a	13.				
All containers needing preservation are found to be in compliance with EPA recommendation.	Øyes □No	□n/A					
exceptions: VOA, coliform, TOC, 08G MI-DRO (water)	Øyes □No		Initial when completed	A-1	1	of added rvative	
Samples checked for dechlorination:	□Yes □No	☑N/A	14.				
Headspace in VOA Vials (>6mm):	□Yes ੴNo	□n/a	15.				
Trip Blank Present:	☑Yes □No	□N⁄A	16.				
Trip Blank Custody Seals Present	Yes ONo	□N⁄A					
Pace Trip Blank Lot # (if purchased):							
Client Notification/ Resolution:			********		Field	Data Required? Y	/ N
Person Contacted	······································	Date/	Time:		···········		
Comments/ Resolution.							
					M		, , , , , , , , , , , , , , , , , , ,
			····				
Project Manager Review:	***************************************					Date: 6/7//	0

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. out of hold, incorrect preservative, out of temp, incorrect containers)

F-ALLC003-4 23Feb2010



ANALYTICAL & ENVIRONMENTAL LABORATORIES, INC.

June 7, 2010

James Pinta URS Corporation Foster Plaza 4 501 Holiday Drive, Suite 300 Pittsburgh, PA 15220 Date Sampled 03-Jun-10 Time Sampled: 14.30 Date Received 03-Jun-10 Time Received 19.35

Sampled by: A. Bayne / URS

MW -1

PARAMETER	RESULT	UNITS	METHOD	ANALYZED	TIME
Total Coliform	163	cfu/ 100 ml	SM ₂₀ 9222 B	03-Jun-10	20:15
Fecal Coliform	150	cfu/ 100 ml	SM ₂₉ 9222 B	03-Jun-10	20:15
Fecal Coliform	192	cfu/ 100 ml	SM ₂₀ 9222 D	03-Jun-10	20:00
Fecal Strep	552	cfu/ 100 ml	SM ₂₀ 9230 C	03-Jun-10	20:30

Virgil Runco Microbiology Supervisor

DICKSON CITY INDUSTRIAL PARK
824 ENTERPRISE STREET
DICKSON CITY, PA 18519-1593
PHONE: (570) 489-6964
FAX: (570) 489-6965



CABOT-EPA 007203

QUANTUM

ANALYTICAL & ENVIRONMENTAL LABORATORIES, INC.

June 7, 2010

James Pinta URS Corporation Foster Plaza 4 501 Holiday Drive, Suite 300 Pittsburgh, PA 15220 Date Sampled: 03-Jun-10
Time Sampled: 14:45
Date Received: 03-Jun-10
Time Received: 19:35
Sampled by: A Bayne / URS

MW -2

PARAMETER	RESULT	UNITS	METHOD	ANALYZED	TIME
Total Coliform	350	cfu/ 100 ml	SM ₂₀ 9222 B	03-Jun-10	20:15
Fecal Coliform	350	cfu/ 100 ml	SM ₂₀ 9222 B	03-Jun-10	20:15
Fecal Coliform	304	cfu/ 100 ml	SM ₂₀ 9222 D	03-Jun-10	20:00
Fecal Strep	< 1	cfu/ 100 ml	SM ₂₀ 9230 ℃	03-Jun-10	20.30

Virgit Runco Microbiology Supervisor

DICKSON CITY INDUSTRIAL PARK
824 ENTERPRISE STREET
DICKSON CITY, PA 18519-1593
PHONE: (570) 489-6964
FAX: (570) 489-6965

CABOT-EPA 007204

ANALYTICAL & ENVIRONMENTAL LABORATORIES, INC.

June 7, 2010

James Pinta **URS** Corporation Foster Plaza 4 501 Holiday Drive, Suite 300 Pittsburgh, PA 15220

Date Sampled: 04-Jun-10 Time Sampled: 8:00 Date Received 04-Jun-10 Time Received 19:40

Sampled by: A. Bayne/URS

Location: MW-4

2H/4H

PARAMETER	RESULT	UNITS	METHOD	ANALYZED	TIME
Total Coliform	200	cfu/ 100 ml	SM ₂₀ 9222 B	04-Jun-10	20:00
Fecal Coliform	200	cfu/ 100 ml	SM ₂₀ 9222 B	04-Jun-10	20:00
Fecal Coliform	140	cfu/ 100 ml	SM ₂₀ 9222 D	04-Jun-10	19:50
Fecal Strep	100	cfu/ 100 mt	SM ₂₀ 9230 C	04-Jun-10	20.10

Virgil Runco Microbiology Supervisor

DICKSON CITY INDUSTRIAL PARK 824 ENTERPRISE STREET DICKSON CITY, PA 18519-1593 PHONE: (570) 489-6964 FAX: (570) 489-6965

CABOT-EPA 007205

QUANTUM

ANALYTICAL & ENVIRONMENTAL LABORATORIES, INC.

June 7, 2010

James Pinta URS Corporation Foster Plaza 4 501 Holiday Drive, Suite 300 Pittsburgh, PA 15220 Date Sampled. 03-Jun-10
Time Sampled. 14:45
Date Received: 03-Jun-10
Time Received: 19 35
Sampled by: A. Bayne / URS

MW-X

PARAMETER	RESULT	UNITS	METHOD	ANALYZED	TIME
Total Coliform	424	cfu/ 100 ml	SM ₂₆ 9222 B	03-Jun-10	20:15
Fecal Coliform	424	cfu/ 100 ml	SM ₂₀ 9222 B	03-Jun-10	20:15
Fecal Coliform	576	cfu/ 100 ml	SM ₂₀ 9222 D	03-Jun-10	20:00
Fecal Strep	640	cfu/ 100 ml	SM ₂₀ 9230 C	03-Jun-10	20:30

Vırgil Runco Microbiology Supervisor

DICKSON CITY INDUSTRIAL PARK 824 ENTERPRISE STREET DICKSON CITY, PA 18519-1593

PHONE: (570) 489-6964

FAX: (570) 489-6965



CABOT-EPA 007206



ANALYTICAL & ENVIRONMENTAL LABORATORIES, INC.

June 7, 2010

James Pinta **URS** Corporation Foster Plaza 4 501 Holiday Drive, Suite 300 Pittsburgh, PA 15220

Date Sampled: 04-Jun-10

Time Sampled.

15.10

Date Received: 04-Jun-10

Time Received. 19.40

Sampled by:

B. Rieder/Quantum

Location: - H.D We	ell 2
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2H/4F

PARAMETER	RESULT	UNITS	METHOD	ANALYZED	TIME
Total Coliform	160	cfu/ 100 ml	SM ₂₀ 9222 B	04-Jun-10	20:00
Fecal Coliform	160	cfu/ 100 ml	SM ₂₀ 9222 B	04-Jun-10	20:00
Fecal Coliform	120	cfu/ 100 ml	SM ₂₀ 9222 D	04-Jun-10	19 50
Fecal Strep	680	cfu/ 100 ml	SM ₂₀ 9230 C	04-Jun-10	20:10

Microbiology Supervisor

DICKSON CITY INDUSTRIAL PARK 824 ENTERPRISE STREET DICKSON CITY, PA 18519-1593

PHONE: (570) 489-6964

FAX: (570) 489-6965



CABOT-EPA 007207

QUANTUM

ANALYTICAL & ENVIRONMENTAL LABORATORIES, INC.

June 7, 2010

James Pinta URS Corporation Foster Plaza 4 501 Holiday Drive, Suite 300 Pittsburgh, PA 15220 Date Sampled: 04-Jun-10
Time Sampled: 15:30
Date Received: 04-Jun-10
Time Received: 19:40
Sampled by B. Rieder/Quantum

Location: - D.G Sump 2

2H/4H

PARAMETER			METHOD	ANALYZED	TIME
Total Coliform	Confluent Gro	wth	SM ₂₀ 9222 B	04-Jun-10	20.00
Fecal Coliform	Confluent Gro	wth	SM ₂₀ 9222 B	04-Jun-10	20:00
Fecal Coliform	4000	cfu/ 100 ml	SM ₂₀ 9222 D	04-Jun-10	19.50
Fecal Strep	1320	cfu/ 100 ml	SM ₂₀ 9230 C	04-Jun-10	20:10
1					

Virgil Runco Microbiology Supervisor

DICKSON CITY INDUSTRIAL PARK 824 ENTERPRISE STREET DICKSON CITY, PA 18519-1593 PHONE: (570) 489-6964 FAX: (570) 489-6965



CHAIN OF CUSTODY	AI							р	hone:	(570) 48	9-6964	P	age	of Fax: (570) 4	89-69
Special Requirements											25			*	
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	ANALT		son City In			risco, ir	tus					^	****		
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Location	Date Sampled	2	ğ	. ≥	/ qe	4-	ब्र ह								٠.
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APPENDIX D

Disposal Documentation –
Solids from the Reserve Pit
and
Water

CABOT-EPA 007213

STRAIGHT BILL OF LADING—SHORT FORM

ORIGINAL - NOT NEGOTIABLE

Shipper's No. SG-390

		5RWR				Carrie	r's No.
RECEIVED, sui	bject to the	classifications and tariffs in effect on the	ate of the Issue of this Bill of lading,				
at Dim	lock	Twp.	(ate) 3-X21-10		RWR/Cal		
the property describing throughout this cor routes, or wrof said route to Bill of Lading s. Shipper hereby cound the said terr	ribed below. contract as other the ter destreation, set forth (1) certifies that ons and con	In apparent good order except as noted or meaning any person or corporation in post- ritory of its highway operations, otherwise to and as to each party at any ture interested in the Uniform Freight Classification in effi- the is familiar with all the terms and con- ditions are hereby agreed to by the shipper	meens and condition of contents of packages itom of the property under the contract; a deliver to another contrar on the nouse to in all or any of said property, that every ct on the date hereof, if this is a rall of second of the said bill of lading, including and accepted for himself and his castjers.	s unknown), marked, consigned a grees to carry to its usual plan o said destination. It is mutually a service to be performed hereus ar xul-water shipment, or (2) in those on the back thereof, set	nd destined as shore of delivery at agreed, as to est der shall be subject the applicable more forth in the class	on below, which said destination, if the carrier of all to all the terms or currier clussification or tariff	and company (the word company bring understood ion its own railroad, water line, highway tool or any of said property over all or any portion is and conditions of the Uniform Domesiae Straight too or tain! if this is a soor currer shipment which governs the transportation of this shipment.
Consigned	TO	Sunbury Generat	ion	r street address for purposes of note	cation only.)		Subject to Section 7 of conditions, if this shipment is to be delivered to the consigner without recourse on the consignor, the consignor shall sign the following statement:
•		Trail Rd.	•	•	n Dam	Citv	The carner shall not make delivery of this shipment without payment of freight and all other lawful charges.
*		County	PA	State	1787		
Route			Address	d governing tariffs provide for deliver	y thereat.)		(Signature of consignor)
Delivering C	Carrier_	1 —	Car o	r Vehicle Initials and No	ouf	T29_	C. O. D. Charges to be Paid by Shipper □ Consignee
		Street		City		State	If charges are to be prepaid, write or stamp here, "To be Prepaid."
No. Packages	HM.	Kind of Package, Description of Artic	es, Special Marks, and Exceptions	"Weight (Subject to Correction)	Class or Rate	Check Column	
_ 1		load water		5000	gal		Received \$
		2 #3					described hereon
AFE#		51401	_				Agent or Cashier
							(The signature here acknowledges only the amount prepaid) Charges Advanced:
-API#		37-115-2022					• • • • • • • • • • • • • • • • • • • •
Truc	ls#	011/729	·		-		† "The fibre containers used for this skipment conform to the specifications set forth in the box
Dlat	2,5	AT 2011A			<u> </u>		rocker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification."
NOTE Where th	he rate is depo	I two ports by a carrier by water, the law requires that the indeat on value, shippers are required to state specifical use of the property is hereby specifically stated by	y in writing the agreed or declared value of the prop	pper's weight. erty.	per		1Shoper's impant in Les of stamp, not a part of bill of lading approved by the Interstate Commerce Commission.
the agreed of a	rectared vari	de of the property is never a specimental state of	y an anyper to be not exercise		per		<u> </u>
			Shipper, Per				Agen
Permanent po address of shi		Morthage	3-21-10	·	Per		
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CABOT-EPA 007214

DIM0227454

STRAIG	нтв	ILL OF LADING—SHORT FORM	ORIGINAL - NOT N	EGOTIABLE		Shipp	er's No. <u>SG-391</u>
Carrier's N	lame:	J. Haer Trucking				Carrie	r's No
		the classifications and tariffs in effect on the date of the issue of this	- 146				
at	moc	k Two. (Date)		FROM SRI	IR/Cabo	t	
throughout this or routes, or of said route the Bill of Lading Shipper hereby and the said to	contract within the to destina set forti certifies erms and	clow, in apparent good order, except as noted (contents and condition of consuming any person or corporation as possession of the property stide for the content of the content of the condition of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the conditions are hereby agreed to by the shipper and accepted for himself as	on the route to said property, that every serviths is a rail or rail lading, including those and his assigns	nown, marked, consigned, a to carry to its usual pla destination. It is mutually uce to be performed herrun-water shipment, or (2) in on the back thereof, set	to destance as store of delivery at ogreed, as to each der shall be subject the applicable moto forth in the class	said destanation, if h carrier of all to all the terms or carrier classification of carrier classification or tariff	on its own railroad, water line, highway route or any of said property over all or any portion and conditions of the Uniform Domesic Straight of or ctanff if this is a motor carner shipment which governs the transportation of this shipment.
Consigned	TO	Sunbury generation	.(man or stree	address for purposes of notif	ication only.)		s to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following snamment:
		on Delivery Shipments, the letters "COO" must appear before consignee's name or as <u>G Trail</u> RG. Street	•	n430,500.1. hamokin D	a 17.	O.1	The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.
Destination	בעב מ	TS R			876	City	MAIOI CHALECT
		Latiniv	elivery *	State17		Zip	
Route		(*To be filled in only when	ddress ^ shipper desires and gove	ming tariffs provide for deliver	y thereat.)		(Signature of consignor.)
Delivering	Carrie						C. O. D. Charges to be
_		ery \$And i	Remit to				Paid by ☐ Shipper ☐ Consignee
		Street		City		State	If charges are to be prepaid, write or stamp here. "To be Prepaid"
No. Packages	H.M.	Kind of Package, Description of Articles, Special Marks, and Excep	itlons	"Weight (Subject to Correction)	Class or Flate	Check Column	
1		load water		5000	gal		Received \$to apply
		£ <u>"</u> 3					in prepayment of the charges on the property described hereon.
AFE#		51401					Agent or Cashier
Fall 13 H		3,101			† -		(The signature here acknowledges only the amount prepaid.)
API#		37-115-20221					Charges Advanced:
'Fruci	7#	105					* The fibre containers used for this shipment
Paate	4	AF-72215					conform to the specifications set forth in the box maker's certificate thereon, and all other requirement of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight
		veen two ports by a camer by water, the law requires that the bill of lading shall since whethe dependent on value, shippers are required to state specifically in writing the agreed or declar value of the property is hereby specifically stated by the shipper to be not exce-		weight.	per		Classification." †Shipper's impriot in lieu of stamp; not a part of bill of lading approved by the Interstate Commerce Commission.
		Shipper, Per_			•		Agen
Permanent pa		,, ,		•	Per		Ageth
		Belh	1	M	<u> </u>	-	

STRAIG	RAIGHT BILL OF LADING—SHORT FORM ORIGINAL - NOT NEGOTIA				E .			SG-394
		SEWR				Carrie	r's No.	
	•	o the classifications and tariffs in effect on the date o	•					
at Dinthe property de throughout this or routes, or of said route Bill of Lading Shipper hereby and the said	escribed by contract within the to destinat serificat certificat series and	clow. In apparent good order, except as noted (contents as meaning any person or corporation in potential or the tribute of its highway operations, otherwise to delive the content of as the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of conditions conditions are hereby agreed to by the phyper and ac	3-22-10 and condition of contents of packag f the property under the contract) rr to another currer on the route ill or any of said property, that eve the date herrof, if this is a rull of the said bill of lading, includer created for himself and his artisens.	FROM SR' ges unknown), marked, consigned, a agrees to carry to its usual plat to said destination. It is mutually ery service to be performed hereun or rail-water shipment, or (2) in ng those on the back thereof, set	AR/Cabo ad destined as sho c of delivery at agreed, as to ea der shall be subjet the applicable mon forth in the class	wen below, which said destination, if ch carrier of all the terms or carrier classification or tariff	said company (on its own or any of said and condition tion or lanff r which governs	he word company being understood railroad, water line, highway route property over all or any portion of the Uniform Domestic Straight this is a motor carrier shipment tha transportation of this shapment.
Consigne	oT b		cation	or street secress for purposes or notif	cstion only.)		is to be delive on the coasi following state	ction 7 of conditions, if this supplicant red to the consignee without recourse mor, the consignor shall sign the ment:
		XXXOLd Trail Rd.			Dam	City	The carner shipment with lawful charges	shall not make delivery of this ut payment of freight and all other
		County		State1		Zip		
Route		147	Address Address be filled in only when shipper desires a	and governing tariffs provide for deliver	(thereal.)			(Signature of consignor.)
			Care	or Vehicle Initials and No		729	Pa D	Charges to be id by Shipper
. =		Street		City		State	stamp here. "T	a be Prepaid "
Packages	H.M.	Kind of Package, Description of Articles, Sp	ecial Marks, and Exceptions	*Weight (Subject to Correction)	Class or Rate	Check Column		
1		load water	T #2	5000	qal		Received \$_ in prepaymen described here	of the charges on the property
AFE#		<u>EESZORO</u> 51401	#3			· · · · · · · · · · · · · · · · · · ·		Agent or Cashier
FIF EST		51401			 	<u> </u>	Per (The signature the amount p	here acknowledges only
API#		37-155-20221					Charges Advan	
Truc	\mathbf{k}_{rr}^{u}	011/729					† "The fibre	containers used for this shipmen
Plat	£#	ATZONA					of Rule 41 and Rule 5	te specifications set forth in the box cate thereon, and all other requirements of the Uniform Freight Classification of the National Motor Freigh
NOTE —Where	the rate is	went two ports by a carrier by water, the law requires that the bill of dependent on value, shippers are required to state specifically in wr value of the property is hereby specifically stated by the s	king the agreed or declared value of the pro	shipper's weight. operty.	per		Classification "	print in lieu of stamp; not a par lading approved by the interstate
			Shipper, Per					Agen
	oost-offici hipper,	e			Per			
		delle		1	-			

, , , , , , , ,		BILL OF LADING—SHORT FO	ORIGINAL -	NOT NEGOTIABLE		Shipp	er's No. <u>SG-395</u>
Carrier's N	lame:	C- Haer Trucking /S	RWR			Carrie	er's No.
RECEIVED, 8	subject t	o the classifications and tariffs in effection the date	of the issue of this Bill of lading,				
at Dime	ock	Oat (Dat	3-25-10	FROM_SR	WR/Cabo	ot	
he property de hroughout this requies, or of said route fill of Lading Shipper hereby and the said to	ecribed to contract within the to destinated fort set fort contribes comes and	below, in apparent good order, except as noted (content as meaning any person or exponention in possession for territory of its highway operations, otherwise to de- tailon, and as to each party at any time interested in hill in the Uniform Freight Classification in effect of the interest of the inter	s and condition of contents of pocka, of the property under the contract) ever to another carrier on the route all or any of said property, that even in the date hereof, if this is a rail is of the said bill of ladding, sacluding occepted for himself and his assigns.	ges unknown). marked, consigned, as agrees to carry to its usual pias to said destination. It is mutually ery service to be performed hereun or rail-water shipment, or (2) in ing those on the back thereof, set	nd destined as shot as of delivery at agreed, as to ear der shall be subject the applicable moto forth in the class	on below, which said desunation, it carrier of all the term or carrier classification or tank	said company the word company being understood if on its own railload, water line, highway route or any of said property over all or any portion is and conditions of the Uniform Domestic Straight lated or latel if this is a motior carrier shipment, which governs the transportation of this shipment.
Consigned	TO	Sunbury Generati	lon (Mail	or street address for purposes of notifi	cation only)		Subject to Section 7 of conditions, if this shipment is to be delivered to the consigner without recourse on the consignor, the consignor shall sign the
_ 0	n Collect	on Delivery Shipments, the letters "COD" must appear before		following statement: The carrier shall not make delivery of this shipment without payment of freight and all other			
Destinatio	n	Old Trail Rd.					lawful tharges.
		County	Delivery_	State		Zip	
Route		(*	Address To be filled in only when shipper desires a	and governing tariffs provide for delivery	(thereat)		(Signature of consignor.)
Delivering	Carrie	er					C. O. D. Charges to be
Collect on	Delive	Paid by ☐ Shipper ☐ Consignee					
		Street	City		State	If charges are to be prepaid, write or stamp here, "To be Prepaid."	
No. Packages	нм	Kind of Package, Description of Articles, S	pecial Marks, and Exceptions	"Weight (Subject to Correction)	Class or Rate	Check Column	
1		load water		5000	gal		Received \$ to appli
		<i>#</i> 3					described hereon
AFE#		514底201					Agent or Cashler
API#		37-115-20221					(The signature here acknowledges only the amount prepaid.) Charges Advanced
Truc	₹#	105					\$
Plate	e#	HF 72215					conform to the specifications set forth in the bo maker's certificate thereon, and all other requirement of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freigh
NOTE —Where	he rate st	ween two ports by a carrier by water, the law requires that the bill dependent on value, shappers are required to state specifically in a value of the property is hereby specifically stated by the	rriting the agreed or declared value of the pro	hipper's weight. garty.	- per		Classification.' 1Shipper's imprint in fieu of stamp, not a pa of bill of lading upproved by the Interstal Commerce Commission.
-	3	71	. Shipper, Per	,			Ager
Permanent p		`)			Per		
	_						

STRAIG	HT RII	L OF LADING—SHO	ORT FORM					
					NOT NEGOTIABLE		Shipp	ers No. <u>SG-396</u>
Carrier's N	lame: (2. Haer Trucking of classifications and tariffs in effect	SRWR	Josh	HAER		Carrie	r's No.
RECEIVED, s	ubject to the	e classifications and tariffs in effect	on the date of the issue of	this Bill of lading,	EDOM OR	:	L	
the properly des throughout this or routes, or w of said route to Bill of Lading Shipper hereby and the said te	contract as within the te o destination, set forth () certifies that	in apparent good order, except as meaning any person or corporation or rivory of its highway operations, other and as to each party at any time and as to each party at any time in the Uniform Freight Classification he as familiar with all the terms of the control of the contr	noted (Date) noted (contents and condition in possession of the property cruste to deliver to another naterasted in all or any of it is effect on the date her and conditions of the said thipper and accepted for him	of contents of package, under the contract; carrier on the route said property, that eve cof, if this is a rail abili of lading, including stelf and his assigns.	es unknown), marked, consigned, agrees to carry to its usual p to said destination. It is mutual ery service to be performed here or nail-water shipment, or (2) it g those on the back thereaf, s	and destined as ableace of delivery at the large of selection of the large of the l	own below, which said destination, it is inche currier of all cit to all the terms for carner classification or tariff	said company (the word company being understood on ats own railroad, water line, highway route cr any of said propeny over all or any portion and conduitous of the Uniform Domestic Suragin tion or tariff if this us a motar carrier shymeol- which governs the transportation of this shipment.
		Sunbury Gei		(Masi	or street address for purposes of no	tification only.)		Subject to Section 7 of conditions, if this shipment is to be delivered to the consigner without recourse on the consigner that remaining the consistence that
Or	n Collect on D	elivery Shipments, the letters "COD" must	appear before consignee's nam	e or as otherwise provid	edintem 430, Sec. 1. Shamokin	Dam	Citv	following statement: The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.
							Zip	
Route		County		Delivery *	State		Ζιμ	
								(Signature of consignor.)
Delivering Carrier Car or Vehicle Initials and No Collect on Delivery \$ And Remit to								C. O. D. Charges to be Pard by Shipper Consignee
							If charges are to be prepaid, write or stomp here, "To be Prepaid."	
	- 1 -	Street			City	Cisss	State	stamp here, "To be Prepaid."
_ #	н.м	Kind of Package, Description	on of Articles, Special Marks, and	Exceptions	to Correction)	or Rate	Column	
1		load wate	er		5000	gal		Received \$ to apply
			// 3					in prepayment of the charges on the property described hereon.
AFE#		51401						Agent or Cashier
API#		37-115-2	0221					(The signature here acknowledges only the amount prepaid) Charges Advanced
	7 II	10	<u> </u>					\$
Truci		105 A = 22215						† The fibre containers used for this shipment conform to the specifications set forth in the box maker's ceruffeate thereon, and all other requirements of Rule 41 of the Uniform Preight Classification
NOTE Where if	noves between he rate is deper	two ports by a carrier by water, the law required to state	specifically in writing the agreed o	or declared value of the pro	hipper's weight.			and Rule 5 of the National Motor Freight Classification." †Shipper's impriest in lieu of stamp, not a part of bill of lading approved by the Interstate Comprese Commission.
The agreed or d	leclared valu	e of the property is hereby specifically	stated by the shipper to be no	ot exceeding		per		Commerce Commission.
			Shipper, F	Per		 		Agent
Permanent po address of shi	ost-office lpper,					Pe		~~
		Beili	NE S	7	1			

STRAIGHT BILL OF LADING—SHORT FORM

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading,

Carrier's Name: PSC Environmental

the property described below, is apparent pood order, except as no property described below, is apparent pood order, except as no revotes are within the mentions of the person of exponentian in the rectangle of the person of t

Consigned TO PSC Environmental

Dimock Twp.

Route.

AFE#

APT#

Permanent post-office address of shipper,

Delivering Carrier _ Collect on Delivery \$ _ ORIGINAL - NOT NEGOTIABLE

- 23-10 Shipper, Per

ant Bill of Labing—Short Form	ORIGINAL - NOT N	EGOTIABLE		Shipp	Shipper's No. PSC403		
Name: PSC Environmental				Carrie	or's No.		
subject to the classifications and tariffs in effect on the date of the							
imock Twp. (Date)	3-23-10	FROM SRI	IR/Cabo	ot			
Entrock TWD . (Date)	condition of contents of packages unkn ne property under the contract agrees o another carner on the route to said read of said property. That every seri- date hereof, if this is a rail or rail- the said bill of lading, including those of for humself and his assigns	own), marked, consigned, a to carry to its usual plat desumation. It is mutually ice to be performed herein- water shipment, or (2) in on the back thereof, set	nd destined as sho se of delivery at agreed, as to es der shall be subje the applicable mo forth in the class	own below, which said destination, if the carrier of all to all the terms tor carrier classification or tariff	and company (the word company being understood fon its own national, water line, highway route or any of sald property over all or any portion is and conditions of the Uniform Domestic Stright tion or tarkfit if this is a motor carrier shipment, which governs the transportation of this shipment,		
dTO PSC Environmental	(Mail or street	address for purposes of notifi	ication only.)		Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement		
2773 N. Penn Rd.	t on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in item 430, Sec. 1. 2773 N. Penn Rd. Street Haffield				The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.		
County	PA Selivery	State	19440	Zip			
(★To be	Address A	ming tariffs provide for deliver	(therest.)		(Signature of commignor)		
Carrier	C. O. D. Charges to be Paid by						
n Delivery \$	And Remit to				☐ Shipper ☐ Consignee		
Street		City		State	If charges are to be prepaid, write stamp here, "To be Prepaid"		
H.M. Kind of Package, Description of Articles, Special		*Weight (Subject to Correction)	Class or Rate	Check Column			
load water		5240	gal		Received S to apply in prepayment of the charges on the property		
#3		· · · · · · · · · · · · · · · · · · ·			described bereon.		
51401					Agent or Cashier		
37-115-20221					Per (The signature here acknowledges only the amount prepaid.) Charges Advanced:		
42 64				:	\$		
A1216419					conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight		
moves between two ports by a carrier by water, the law requires that the ball of India the rate is dependent on value, shippers are required to state specifically in writing the declared value of the property is hereby specifically stated by the shipper	the agreed or declared value of the property.	verght.	per		Classification." 1Shipper's imprint so less of stamp: not a part of bill of lading approved by the interstate Commerce Commission		
SH SH 3.	- 33-70 inner Per				Agent		

Per

STRAIGHT BILL OF LADING-SHORT FORM

Consigned TO PSC Environmental

Route.

Delivering Carrier

. agesم

AFE;

API#

Truck

Plate#

Permanent post-office address of shipper,

Collect on Delivery \$.

H.M

2773 N. Penn Rd.

Street

<u>load water</u>

37-115-20221

51401

Carrier's Name: PSC Enzivironmental
RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading.

ORIGINAL - NOT NEGOTIABLE

(*To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

_ Car or Vehicle Initials and No.

Per

Street.

Shipper, Per

And Remit to .

.GO INDLE		Shipp	ers No
		Carrie	er's No.
FROM XS ovvs). marked, corsagned, as to carry to its sexual place construction. If the metal of the correction of the back thereof, set	RWR/CA1 ad desuned as showed of delivery at agreed, as to each ler shall be subject the applicable moto forth in the class	nn below, which said destination, is to all the term or carrier classification or taniff	said company (the word company being understool on its own malroad, water line, highway root or any of said property over all or any portion and conditions of the Unform Domente Straighton or tenth it that is a motte entire shippent which governs the transportation of this shippen
address for purposes of notific			Subject to Section 7 of conditions, if this abipmen is to be delivered to the consignee without recours on the consignor. One consignor shall sagn the following statement: The carrier shall not ranke delivery of the slipment without payment of freight and all others.
Hat State 1			lawful charges.
ning tariffs provide for delivery nicle Initials and No.	•		(Signature of consigner.) C. O. D. Charges to be Paid by Shipper □ Consignee
City	Ciesa	State	If charges are to be prepaid, write c stamp here. "To be Prepaid"
to Correction)	or Rate	Column	Received \$ to app in prepayment of the chirges on the proper
			described hereon Agent or Cashier
			Per The signature here acknowledges only the amount prepaid) Charges Advanced
			\$
reight.			of bill of lading approved by the Interste

CABOT-EPA 007220

Agent

	`	·			er's No. <u>PSC405</u>	
ne: SRWR	of the issue of this Bill of Indian			Carrie	r's No.	
		EDOM SE	we Lanho	, <u>.</u>		
ed below, in apparent good order, except as aoted (content tract as meaning any person or corporation in possession in the territory of its highway operations, otherwise to dell estination, and as to each party of any time interested in- forth (1) in the Uniform Preight Classification in effect of lifest that he is familiase with all the terms and conditions and conditions are berely agreed to by the shipper and	and condition of contents of pack of the property under the contraction were to another carrier on the route all or any of said property, that e in the date hereof. If this is a rai of the said bill of lading, include cepted for himself and his assigns	ages unknown), marked, consigned, agrees to curry to its usual put said destination. It is metual very service to be performed here of or rail-water shipment, or (2) is ing those on the back thereof, a	and destined as shipsee of delivery at the speed, as to a subject of the applicable me to forth in the cla	own below, which said destination, it ach carner of all set to all the term stor carner classifica assification or tariff	said company (the word company being under f on its own rulnead, water line, highway ro- or any of said property over all or any portu- s and conditions of the Uniform Domestic Strug- tion or tanfi if this is a motor carrier shipmen which governs the transportation of this shipmen	
O PSC Environmental	(wa	ni or street address for purposes of no	ffication only)		Subject to Section 7 of conditions, if this shipme is to be delivered to the consigner without recour on the consignor, the consignor shall sign t following statement:	
Rect on Delivery Shipments, the letters "COD" must appear before	consignee's hame or as otherwise provi		<i>-</i>		The carrier shall not make delivery of the shipment without payment of freight and all other	
	7.2	_	10110		lawful charges.	
County	DeliveryAddress *	State	17440	ZIP		
				1-20	(Signature of consignor.) C. O. D. Charges to be	
Collect on Delivery \$ And Remit to						
Street		City Stat			If charges are to be prepard, write or stamp here, "To be Prepard."	
	pecial Marks, and Exceptions	"Weight (Subject to Correction)	Class or Rate	Check Column		
load water		5000	çal		Received S to app in prepayment of the charges on the proper	
#3					described hereon.	
51401					Agent or Cashier	
37-115-20221					The signature here acknowledges only the amount prepaid.) Charges Advanced:	
011/729					† 'The fibre containers used for this shipme conform to the specifications set forth in the b	
هوراه سرهر					maker's cartificate thereon, and all other sequerer of Rule 41 of the Uniform Freight Classific and Rule 5 of the National Motor Fre.	
		shipper's weight. roperty.	per		Classification." †Shipper's imprint in heu of stamp, not a p of bil of lading approved by the laterate Commerce Commission	
		22/10		this Shipping	nust detach and retain g Order and must sign Bill of Lading.	
	PSC Environmental lector Delivery Shipments, the letters TOO' must appear before 2773 N. Penn RG. County Trier Street Kind of Package, Description of Articles, St. 1030 Vater 43 51401 37-115-20221 between two ports by a carrier by water, the law requires that the bill to te dependent on value, shippers are required to table specifically in wared value of the property is hareby specifically stated by the office.	Delivery Shipments, the latters "COD" must appear before consigned a harne or as otherwise provided in Delivery Shipments, the latters "COD" must appear before consigned a harne or as otherwise provided in County	PSC Environmental lect on Delivery Shipments, the latters 1000° must appear before consignes to have or as otherwise provided in item 430, Sec. 1. 2773 N. Penn Rd. Street Hatfiell County PA State Address (ATO be filled in only when shipper desires and governing tanife provide for delivery from the filled in only when shipper desires and governing tanife provide for delivery \$ And Remit to Street City Weight (Subject to Correction) And Remit to Street Street Scorection of Articles, Special Marks, and Exceptions Scorection of Articles, Special Marks, and Exceptions Scorection of Articles, Special Marks, and Exceptions Scorection of Articles, Special Marks, and Exceptions Scorection of Articles, Special Marks, and Exceptions Scorection of Articles, Special Marks, and Exceptions Scorection of Articles, Special Marks, and Exceptions Scorection of Articles, Special Marks, and Exceptions Scorection of Articles, Special Marks, and Exceptions Scorection of Articles, Special Marks, and Exceptions Scorection of Articles, Special Marks, and Exceptions Scorection of Scorection of Articles, Special Marks, and Exceptions Scorection of Articles, Special Marks, and Exceptions Scorection of Articles, Special Marks, and Exceptions Scorection of Articles, Special Marks, and Exceptions Scorection of Scorection of Articles, Special Marks, and Exceptions Scorection of Articles, Special Marks, and Exceptions Scorection of Scorection of Articles, Special Marks, and Exceptions Scorection of Scorection of Articles, Special Marks, and Exceptions Scorection of Scorection of Articles, Special Marks, and Exceptions Scorection of Scorection of Articles, Special Marks, and Exceptions Scorection of Scorection of Articles, Special Marks, and Exceptions Scorection of Scorection of Articles, Special Marks, and Exceptions Scorection of Scorection of Scorection of Scorection of Scorection of Articles, Special Marks, and Exceptions Scorection of Scorection of Scorection of Scorection of Scorection of Scorection of Scorection of Scorection of	PSC Environmental Section Delivary Shipments, the letters "COD" must appear before consigned a harme or as otherwise provided in item 430, Sec. 1. 2773 N. Penn Rd. Street Hatfield County PA State 19440 Delivery Address* (*To be filled in only when shipper desires and governing tamife provide for delivery thereat.) Trier Car or Vehicle Initials and No. Officers And Remit to Street City And Peckage, Description of Articles, Special Marks, and Exceptions Page 1940 Officers of Rate 1030 9312 X 2 2 1 1037 115 - 20221 Libraries whether it is cornect by a carrier by water, be law requires that the bill of lading shall state whether it is cornect or of hipper's weight. Libraries water by a carrier by water, be law requires that the bill of lading shall state whether it is cornect by a carrier by water, be law required to tible specifically in writing the agreed or declared value of the property. Shipper, Per Shipper, Per	O PSC Environmental lector Delivery Shipments, the latters COD must appear before consigned a hame or as otherwise provided in item 450, Sec. 1. 2773 N. Penn RG. Street Hatfield City County PA State 19440 Zip Delivery State 19440 Zip Address Corner Vehicle Initials and No. Street City State And Remit to Street City State City State City State And Remit to Street City State And Remit to City State Street Oreck Column 1030 Vater STATE 5000 Vater STATE Street State Oreck Column The presenting parts by a search by search place that the bill of liding shall citize whether it is corner for disapport, a weight. It is dependent on voltar. It imports are required to title specifically in writing the aggreed or decised value of the property. Shipper, Per Shipper, Per Shipper, Per Shipper, Per Shipper, Per Shipper, Per Shipper, Per Shipper, Per Shipper, Per Shipper, Per Shipper, Per Shipper, Per State State State State State State Shipper to be set exceeding the Original the Original Shipping the Original Shipp	

STRAIGHT E	BILL OF LADING—SHORT FORM	ORIGINAL - NOT N	EGOTIABLE		Shippe	er's No. <u>RSG-360</u>
Carrier's Name:	Elk River Excavating to the classifications and tariffs in effect on the date of the issue of the classifications.	his Bill of lading,			Carrie	r's No.
at Dimo the property described throughout this contract or soutes, or within 0 of said route to destin Bill of Lading set for Shapper hereby certifies and the said terms are	below in apparent good order, except as noted tennents and condition as meaning any person or corporation in possession of the property stems territory of its highway operations, to thewrite to deliver to another stems and as to each party at any time enterested in all or any of a h(t) in the Uniform Fright Classification in effect on the date here that he is familiar with all the terms and conditions of the state by conditions were hereby speed to by the happer and excipted for hims	of contents of packages wisk under the content; agrees and property, that every second of if this is a mil or rail is a mil or rail; of industry in the content of the cont	FROM SR nown), marked, consigned, to carry to ike usual p destination. It is mutual ice to be performed here water shapment, or (2) is on the back thereof, is	WR/CAbo and destined as sho lace of delivery at ly agreed, as to en under shall be subject n the applicable mot nt forth in the cias	wan below, which said destination, if the carner of all is at to all the terms or carner classifica- sification or tariff	eard company the word company being understood on its own restroad, water line, highway route or any of and property over all or any portion and conduction of the Uniform Dimension Stringht to the Company of the Company of the Company which governs use comportation of his depending
Consigned TO	Sunbury Generation on Delivery Shipments, the letters "COD" must appear before consignee's name	(Mail or afres	it address for purposes of no	tification only)		Subject to Section 7 of conditions, if this shipment is to be delivered to the consignor without recourse on the consignor, the consignor shall sign the following statement:
Destination	Old Trail Rd. Stre	et	Shamokin State 1	7876	City Zip	The carrier shall not make delivery of this shipment weiftout poyment of freight and all other lawful charges.
	Delivering Carrier Car or Vehicle Initials and No Collect on Delivery \$ And Remit to					C. O. D. Charges to be Paid by Shipper Consignee
_	Street		Clty		State	If charges are to be prepaid, write or samp here, "To be Prepaid."
Packages HM.	Kind of Package, Description of Articles, Special Marks, and	Exceptions	"Weight (Subject to Correction)	Class or Rate	Check Column	
1	load water		5000	gal		Received \$
	#3					described hereon.
AFE#	51401			}		Agent or Cashier
API	37-115-20221					(The signature here acknowledges only the amount prepaid.) Charges Advanced.
_Truck#	Ø 07					† The fibre containers used for this shipmon
Plate#	BA5 19244					conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification."
NOTE Where the rate i	ween two ports by a carper by water, the law requires that the bill of lading shall state s dependent on value, shippers are required to state specifically in writing the agreed or it value of the property is hereby specifically stated by the shipper to be no	r declared value of the property	weight.	per		Cassariesation. 15hipper's imprint in lieu of stamp; not a pur- of bill of lading approved by the Interstate Commerce Commission.
- Vic	Lowell 3-23-10 Shipper, F	er				Agen
Permanent post-off address of shipper,				Per		······
6	Belle	1				

STRAIG	TRAIGHT BILL OF LADING—SHORT FORM		ORM ORIGINAL - N	OT NEGOTIABLE		Shipp	er's No. <u>SG-361</u>
Carrier's	Name	SRWR				Carrie	er's No.
		to the classifications and tariffs in effect on the date					
at D	<u>imo</u>	CK Twp. (Date	3-2 4x -10	FROM_SE	WR/Cabo	ot	
the property of throughout this or routes, or of said route Bill of Luding Shipper hereby and the said	escribed contract within to destin set for certifies terms so	below, in apparent good order, except as noted (content as meaning any person or corporation my operation or first the territory of its highway operations, otherwise to defination, and as to each party at any time interested in first 11 in the Uniform Freight Chastification in effect, and the conditions are thereby agreed to by the shipper and	s and condition of contents of packagy of the property under the contracty over to another carrier on the route. I all or any of sand propenty, that even on the date hereof, if this is a mail of the sand bill of lading, including accepted for humstell and his assigns.	es unknown), marked, consigned, agrees to earry to its usual pro- to said destination. It is mutual ry service to be performed here or rall-water shipment, or (2) is those on the back thereof, a	and destined as she place of delivery at ity agreed, as to es- tunder shall be subje- in the applicable mo- tet forth in the class	own below, which said destination, is the carrier of all the terms tor carrier classification or tanff	said company (the word company being soderstood on its own ealiroad, water line. highway route or any of said preperty over all or any portion is and conditions of the Uniform Domesic Sumght tion or tariff if this is a motor carrier shipment, which governs the transportation of this shipment.
Consigne	σТС		tion	or street accress for purposes of no	etilication only.)		Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse in the consignor, the consignor shall sign the following statement
		Old Trail Rd.)am	Citv	The corrier shall not make delivery of this shipment without payment of freight and all other lawful charges
Destinatio	'''	County	PA	State1		Zip	•
Route			I JAIIVARV .			4p	
		(*	To be filled in only when shipper desires an	nd governing tariffs provide for deliv	ery thereat.)		(Signature of consignor)
Delivering	Carri	er	Car o	r Vehicle Initials and N	lo		C. O. D. Charges to be Paid by
Collect on	Deliv	very \$	And Remit to				☐ Shipper ☐ Consignee
Street				City		State	If charges are so be prepaid, write or stamp here. "To be Prepaid."
No. Packages	HM.	Kind of Package, Description of Articles, 5	pecial Marks, and Exceptions	"Weight (Subject to Correction)	Class or Rate	Check Column	
1		load water		5000	gal		Received \$ to apply an prepayment of the charges on the property
	}	#3					described hereon
AFE#		51352					Agent or Cashier
AL LIFE		31332			-		Per
API#		37-115-20,221					Charges Advanced
Truci	₹#	#103 MINE					\$
Plate	2#	44EB95					conform to the specifications set forth in the hox maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification."
alf the shipment NOTE —Where	moves bet the rate is	tween two ports by a carrier by water, the law requires that the bill dependent on value, shippers are required to state specifically as a	rising the agreed or declared value of the prop	ipper's weight. perty			Classification." †Shipper's imprint in lieu of stamp, not a part of bill of lading approved by the interstate Commerce Commission.
The agreed or	declared	I value of the property is hereby specifically stated by the	shipper to be not exceeding		per		Commerce Commission,
			Shipper, Per				Agent
Permanent p		ce			Per		
		Belle		1			

STRAIGHT BIL	L OF LADING—SHORT FORM	ORIGINAL - NO	ORIGINAL - NOT NEGOTIABLE Shipp			er's No. <u>2223</u>	
	Dively Trucking				Carrie	er's No.	
	e classifications and tariffs in effect on the date of the iss					•	
at Dimocl the property described below throughout this contract as or routes, or within the tof said route to destination Bill of Luding set forth (Shipper hereby certifies that and the said terms and co	C TWD . (Date) 3 v. in apparent good order, except as noted (contents and conmeaning any person or components in possession of the persony of its highway operations, otherwise to deliver to an and as to each party at any time interested is all or any in the bufform freeigh Chastification in containing of the last containing of the conditions of the containing of the conditions are hereby agreed to by the shipper and accepted for	dition of contents of packages openly under the contracts a softer carrier on the route to of said property, that every hereof, if this is a rail on the said bill of loding, including a humself and he assigns.	FROM SRIV unknown), marked, consigned, grees to carry to its usual p said destination. It is mutual service to be performed here rail-water shippirent, or (2) in those on the bock thereof, as	NR/Caboi and destined as slic lace of delivery at ly agreed, as to ea under shall be subject in the applicable mon et forth in the clas	own below, which said destination, if currier of all the terms or carrier classification or taniff	said company (the word company being understood f on its own railroad, water line. highway route or any of said property over all or any portions and conditions of the Unform Demester Straight tion or cariff if its is a motor carifer shipment. which governs the unapportation of this shipment.	
	Johsntwon Regionla Se	(MBII Of	RITES MODIFIES FOR PURPOSES OF NO	tilication only.)		Subject to Section 7 of conditions, if this shipment is to be delivered to the consigner without recourse on the consignor shall sign the following statement:	
	Pelvery Shipments, the letters COD must appear before consignae. 241 Asphalt REd.			ntown	Citv	The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.	
	County	PA	State	15906			
Route		Delivery ★Address ★				(Signature of consignor)	
Dati I O I	Route						
_	Delivering Carrier Car or Vehicle Initials and No Collect on Delivery \$ And Remit to						
Collect on Delivery		And Remit to				Shipper Consignee	
Jan H.M.	Street	a, and Exceptions	"Weight (Subject to Correction)	Class or Rate	State	stamp here "to be Prepaid."	
jes H.M.	load water		500	gal	Colum		
	#1			J		Received S to apply in prepayment of the charges on the property described herein.	
AFE#	51243					Agens or Cashier	
ALD#	51243					Per (The signature here acknowledges only the amount prepaid.)	
API#	37-115-20150					Charges Advanced	
_ Truck#						\$	
Plate	Truck took 10a	d with	out pa	peru	ork.	conform to the specifications set forth in the bot maker's certificate thereon, and all other requirement of Rule 41 of the Uniform Freight Chastification and Rule 5 of the National Motor Freigh	
NOTE -Where the rate is deper	two ports by a carner by water, the law requires that the bill of fading the adent on value, thippers are required to state specifically in writing the ag- iet of the property is hereby specifically stated by the shipper to	med or declared value of the propo	oper's weight. erty.	per		Classification." TShipper's imprint in fieu of stamp: not a par of bill of lading approved by the Interstalt Commerce Commission.	
	Shippe	er, Per				Agen	
Permanent post-office address of shipper.				Per			
			<u> </u>				

. IT BILL OF LADING-SHORT FORM

241 Asphalt Rd.

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading,

Consigned TO JONS NOWN REGIONAL DEWAYE
On Collection Delivery Shipments, the letters "COD" must appear before consigner's name or as otherwise provided in item 430, Sec. 1. Johantown Regional Sewage

Street_

Delivery ★

Carrier's Name: Barron Trucking

Route_

1

AFE#

API#

Truck#

Delivering Carrier.

Collect on Delivery \$_

н м.

ORIGINAL - NOT NEGOTIABLE

Shipper's No. 2224 Carrier's No. at Dimock Twp. (Date) 3-24-10 FROM SRWP/cabot

the property described below in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as shown below, throughout this content as meaning any person or corporation in possession of the property sader the contract as meaning any person or corporation in possession of the property sader the contract agrees to carry to its susual place of delivery at said detail or routet, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of said rous to destination, and as to each pury at any jum interests and you of said property, that every service to be performed hereunder shall be subject to all fall of Lading set forth (1) as the Uniform Freight Classification in effect on the date hereoft, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier of shape the rest has been far applied to the standard of the said terms and conditions of the gaid this of delaing, including those on the back thereof, set forth in the classifications or and the said terms and conditions of the path of the delaing, including those on the back thereof, set forth in the classifications and the said terms and conditions of the said that of the said the said that the said the said that the said that the said that the said that the performance of the said that City C. O. D. Charges to be Paid by □ Consignee If charges are to be prepaid, write or stamp here. "To be Prepaid." State Check in prepayment of the charges on the pridescribed hereon. Agent or Cashier

Car or Vehicle Initials and No. _And Remit to _ Street City "Weight (Subject to Correction) Kind of Package, Description of Articles, Special Marks, and Exceptions load water 4620 qal 51243 37-115-20150 BW-4 The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _ Shipper, Per _ Agent

Johsntown

15906

CABOT-EPA 007225

S I HAIGHT BILI	L OF LADING—SHORT FO	ORIGINAL -	NOT NEGOTIABLE	Shippe	per's No. <u>2225</u>	
Carrier's Name:	K & L Trucking	· · · · · · · · · · · · · · · · · · ·			Carrie	r's No.
	classifications and tariffs in effect on the date					
at <u>Dimock</u> the property described below, throughout this contract is or routes, or within the ten of sind route to destination, Bill of Leding set forth (1) Shipper hereby certifies that and the said terms and contract the said terms are said terms and the said terms are said terms and the said terms are said terms and the said terms are said terms and the said terms are said terms and the said terms are said terms and the said terms are said terms and the said terms are said terms and the said terms are said terms and the said terms are said terms and the said terms are said terms and the said terms are said terms and the said terms are said terms and the said terms are said terms are said terms are said terms are said terms are said terms are said terms are said terms are said terms are said terms are said terms are said terms are said terms are said terms are said terms are said t	is apparent good order, except as noted contents meaning any person or composition in possession raccy of its highway operations, underwise to deliver and as to except go any time interested in the second party of any time interested in the second party of any time interested in the second party of the se	3 - 24 - 10 and condition of contents of packa of the property under the contract) ver to another carrier on the route all or any of said property, that eva the date before, if this is a rail of the said bill of lading, includicecepted for himself and his saigna.	ges unknown). marked, consigned, a agroes to curry to its usual pla to said destination. It is mutually every service to be performed hereul or rui-water shipment, or (2) an mg those on the back thereof, set	and destined as and the of delivery at a speed, as to et ander shall be subjet the applicable most forth in the class	or below, which is said destination if ch carrier of all cit to all the terms for carrier classification or tariff	said company (the word company being understood on its own railroad, water line. highway route or any of said property over all or any portions and conditions of the Uniform Dimense Straight which governs the transportation of this thipment.
Consigned TO	Johnstown_Regio	nal Sewage	i or street address for purposes of noti	fication only)		Subject to Section 7 of conditions, if this shipment is to be delivered to the consigner without recourse on the constant the consumer shall sign the
On Callect on De	elivery Shipments, the letters "COD" must appear before 1 Asphalt Rd.	consignee's name or as otherwise provid		Citv	following statement. The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.	
	Onumba	D7	Ctata	15905	Zip	
Route	County	To be filled in only when shipper desires	and governing tards provide for deliver	ry thereat)		(Signature of consignor)
Delivering Carrier		C. O. D. Charges to be Paid by Shipper Consignee				
Collect on Delivery	\$Street		City	State	If charges are to be prepaid, write or stamp here. To be Prepaid.	
ь н.м	Kind of Package, Description of Articles, S	pecial Marks, and Exceptions	*Weight (Subject to Correction)	Class or Rate	Check Column	
1	load water		420	gal		Received \$ to apply
	#1					in prepayment of the charges on the property described hereon.
AFE#	51253					Agent or Cathier
API#	37-115-20150					(The signature here acknowledges only the amount prepaid.) Charges Advanced:
Truck#	7					\$
PLate#	4RC7283					conform to the specifications set forth in the box reaker's centificate thereon, and all other requirement of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification.
NOTE Where the rote is depend	we ports by a carrier by water, the law requires that the bill of dent on value, shippers are sequired to state specifically in w of the property is hereby specifically stated by the	writing the agreed or declared value of the pr	shipper's weight. reperty_	per		Classification 1Shipper's imprint in lieu of stamp, not a par of bill of lading approved by the Interstate Commerce Commission.
	easure					Agen
Permanent post-office address of shipper,				Per		
		-	\int		· · · · · · · · · · · · · · · · · · ·	

TRAIGH	TBILLC	FLAC	DING-S	HORT FO	DRM	ORIGINAL	- NOT NEGOT	IABLE		Shipp	per's No. 2226		
Carrier's Na										Carrie	er's No.		
	•					of this Bill of lading,							
t Dimo	ck Tw	٥		(Dat	e) <u>3</u> -	-24-10	F	ROM	SRUB	/Cahot			
troughout this co- troughout this co- troutes, or with f said route to fill of Lading set hipper hereby cen and the said termi	bed below, in a normal as meaning on the territory destination, and t forth (I) in nifies that he is and conditions	ipparent got ig any per of as hig as to each the Uniform s familiar are hereby	of order. except such as comporations, party at any Freight Classified the term of such all t	as noted (conter- ion in possession otherwise to de time interested in region in effect rus and condition the shipper and	of the pro- liver to another all or any on the date is of the sail	on of contents of pa- perty under the contro- ser carrier on the rot of said property, that hereof, if this is a : id bill of lading, incl humself and his assign	ict.ges unknown). ict) agrees to cau- ute to saud destin- every service to mil or mil-water luding those on the.	marked, consigned, ry to its usual plation. It is metuall be performed here; shipment, or (2) it he back thereof, so	and destined as shi ace of delivery at ly agreed as to e: under shall be subje to the applicable mo et forth in the class	owa below, which said destination, is said destination, is the carrier of all to to all the term for carrier classification or tariff	said company (the word company being understood if on its own railroad, water line, highway route or any of said property over all or any portions and conditions of the Uniform Domestic Straighton or sarif if this is a motor earner shipment which governs the transportation of this shipment.		
						(/	Mail of street addre	ss for purposes of no	dication only.)		Subject to Section 7 of conditions, if this shipmen is to be delivered to the consigner without recours on the consignor shall sign the		
						Sewage					The carner shall not make delivery of the		
estination .		241	Aspha.	lt Rd.	5	Street				City	shipment without payment of freight and all other lawful charges.		
			County			PA	State	1	5906	Zip			
oute													
				(+	To be lilled in	only when shipper desire	es and governing to	riffs provide for delive	ry thereat.)		(Signature of consignor)		
elivering Ca	arrier					Ca	ar or Vehicle	Initials and N	0		C. O. D. Charges to be		
ollect on De	ollect on Delivery \$ And Remit to							Paid by ☐ Shipper ☐ Consignee					
			Str	eet				Citv		State	If charges are to be prepaid, write o stamp here. "To be Prepaid."		
No Packages H.	м.	Kind		ription of Articles,				Waight (Subject to Correction)	Class or Rate	Check Column			
1		1	oad wa	ter				7208	gal				
				#1					1 3 3 3		Received 5 in appl in prepayment of the charges on the propert described hereon.		
AFE#		5	1243								Agent or Cashier		
API#		3	7-115-	-20150							(The arguature here acknowledges only the amount prepaid.) Charges Advanced.		
Truck	4 1										\$		
PLate;	4 YS	T 5	~5~L	c							conform to the specifications set forth in the b maker's ceruficate thereon, and all other requireme of Rule 41 of the Uniform Freight Classificat and Rule 5 of the National Motor Frei Classification."		
_						tale whether it is camer's and or declared value of the mot exceeding	or shipper's weight. e property.		per		15hipper's imprint in lieu of stamp: not a pa of bill of lading approved by the Intersta Commerce Commission.		
ar agreed on over	1	7	s sereby specime	any seattle by the	запррет по в	10.0.000			T - P4		<u>. </u>		
-+	-XX	7	 		- Shipper	, Per			 		Ager		
ermanent post-office ddress of shipper.							Per						

STRAIG	нт віц	LL OF LADING—SHORT FORM ORIGINAL - NOT			Shippe	er's No. USE704
Carrier's N	Name:	US Environmental FOR PSG	BUVIRAVA	BUTAL	US 18	n# 113381
		he classifications and tariffs in effect on the date of the issue of this Bill of lading,		····		
atD	imoc	k TWD. (Date) 3-24-10	FROM SRI	R/CAbot	below which	and company the word company being understood
throughout this or routes, or of said route Bill of Lading Shipper hereby and the said to	contract as within the to destination set forth (certifies the terms and co	k TWO (Date) 3-24-10 w. in apparent good order, except as noted (contents and condition of contents of packages removed by the property since the content) agreement of the property since the content) agreement of the property since the content) agreement of the property since the content agreement of the property since the content agreement of the property since the content of the property since the content of the property since the content of the property since the content of the property since the	tes to carry to its usual plant destination. It is mutual service to be performed here rail-water shipment, or (2) is hose on the back thereof, so	ace of delivery at as y agreed, as to each ader shall be subject the applicable motor torth in the classif	nd destination, if carner of all to all the terms carrier classification or tanff	on its own realized, water fine, highway route or any of said property over all or any portion and conditions of the Uniform Domestic Straight soon or tandf if this is a motor carrier shyment, which governs the transportation of this shipment,
Consigned	TO_	PHILLIPS GRAVILES CO. MAINORS	treet address for purposes of no	flication only.)		Subject to Section 7 of conditions, if this shipment is to be delivered to the consigner without recourse on the consignor, the consignor shall sum the
Destination	on Collect on I	Delivery Shipments, the letters "CCD" must appear before consignee's name or as otherwise provided in Street 2969. 5.1	MY 5 TONE	PAR .	Citv	following statement: The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.
Destination	-	County HATTEDELD	_State	194	40 zip	
Route		Delivery Address* (+To be filled in only when shapper dealins and g	poverning tariffs provide for delive	ry thereat)		(Signature of consignor.)
Delivering	Carrier.	Car or \	Vehicle Initials and N	0		C. O. D. Charges to be
Collect on	Deliver	y \$ And Remit to				Paid by ☐ Shipper ☐ Consignee
		Street	Citv		State	If charges are to be prepaid, write or stamp here, "To be Prepaid."
No. Packages	H.M.	Kind of Package, Description of Articles, Special Marks, and Exceptions	"Weight (Subject to Correction)	Class or Rate	Check Column	
1		loac water	6300	gal		
		#1	0300	yar		Received \$
APE#		51243 ORN	# 11011	172		Agent or Cashier
API#		37-115-20150 BOV	# 2/84	32-10		(The signature here acknowledges only the amount prepaid) Charges Advanced:
Truck#	4	670/668				\$
Plate#		PT 8187H				conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification.
*If the shipment NOTE — Where	moves between the rate is dep	en two pons by a carrier by water, the law requires that the bill of Isding shall state whether it is carner's or shipp pendent on value, shippers are required to state specifically in writing the agreed or declared value of the propert alue of the property is hereby specifically stated by the shipper to be not exceeding	er's weight. y.	ber		Classification TShipper's impinat in lies of stamp; not a part of bill of lading approved by the Interstate Commerce Commission.
		Shipper, Per			1	Agent
Permanent p				Per //	/ Eag	Malf
				•		
		L	J			

STRAIGHTR	BILL OF LADING—SHORT FORM						
O MAIGHT D	ORIGINAL - NOT	NEGOTIABLE		Shipp	er's No. <u>USE705</u>		
Carrier's Name:	US Fryironmental FOR ASC o the classifications and fariffs in effect on the date of the issue of this Bill of fading,	EN VILLEN	MANTH	Z Carrie	1/3383 ers No.		
a Dimoc	rk Two (Date) 3-24-10	FROM SP	(JRD2Cab	ot			
the property described be throughout this contract or routes, or within the fault route to destina Bill of Lading set forth Shipper hereby certifies and the said terms and	ck TWD. Selow in apparent good order, except as social (contents and condition of contents of packages as meaning any person or conjection in possession of the property under the content) agree to territory of its highway operations, otherwise to deliver to another camer on the roots to it ones, and as to each party as any time interested in all or any of said property, that every se allows and as to each party as any time interested in all or any of said property, that every se allows and as to each party as any time interested in all or any of said property, that every se allows the said to each party as any time and conditions of the said ball of lading, including the conditions are beneby agreed to by the shapper and accepted for himself and has assigned.	oknown! marked consigned to curry to its small plaid destination. It is mutually rivice to be performed hereu all-water shipment or (2) is see on the back thereof, see	and destined as show the of delivery at y agreed, as to each noter shall be subject the applicable more is forth in the class	vs below, which said destination, is he carrier of all to all the term of carrier classification or tariff	said company (the word company being understood on its own railited, water line, highway foute or any of said property over all or any portion is and conditions of the Uniform Domesux Straight tup or tariff if this is a motor carrier highment, which governs the transportation of this shipment.		
Consigned TO	11/11/11/AL CHALACET	ser address to rpurposes or not	fication only.)		is to be delivered to the consignee without recourse on the coasignor, the consigner shall sign the following statement:		
Destination	7869	State SAVIST	ONE A	140 zin	The carrier shall not make debrery of this shipment without payment of freight and all other lawful charges.		
Route	Delivery Address* (*To be filled in only when shopper desires and go		y thereat.)	<u>- 7 9 21</u> p	(Signature of consignor.)		
Delivering Carrie	orCar or V	ehicle initials and No)		C. O. D. Charges to be		
Collect on Delive	ery \$ And Remit to				Paid by ☐ Shipper ☐ Consignee		
	StreetCityState						
No. Packages H.M.	Kind of Package, Description of Articles, Special Marks, and Exceptions	"Weight (Subject to Correction)	Class or Rate	Chack Column			
1	load water	6300	gal		Received \$to apply in prepayment of the charges on the property		
	# 1				described hereon.		
AFE#	51243 PSG, A	al# 33509	4-10		Agent or Cashier		
API#	37-115-20150				(The Eignature here acknowledges only the amount prepaid) Charges Advanced		
Truck#	670 1469				† The fibre containers used for this shipment conform to the specifications set forth in the box		
Plate#	DT8187H				maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification."		
	ween two poins by a camer by water, the law requires that the bill of lading shall state whether it is camer's or shapper dependent on value, shappers are required to state specifically in writing the agreed or declared value of the property value of the property is hereby specifically stated by the shipper to be not exceeding.	's weight.	per		†Shipper's imprint in lieu of stamp, not a part of bill of lading approved by the Interstate Commerce Commission.		
	Shipper, Per		, per	1	Agent		
Permanent post-office address of shipper,			Per	Jay	MUS		
	47	- 11 11-		7			
	ں						

ORIGINAL - NOT NEGOTIABLE

233715-10 Shipper's No. PSC406

Carrier's Name	AHADINA	ta bata			Carrie	r's No.
	to the classifications and tariffs in effect on the date of the Issue	•	EDOM S	Dima/ah	o.t	
the property described throughout this contract or routes or within to said route to destin Bill of Laching set for Shipping hereby certifies and the said terms an	below, in apparent good order, except as noted (contents and condu- ias meaning any person or corporation in postassicion of the pro- teation; and as to each party at any time interested in all or as that (1) on the Uniform Field Classification on effect on the date that he is familiar with all the terms and conducton of the de conditions are hardly speed to by the shipper and accepted for	uon of contents of packages to peny under the contract; agree ner earrier on the route to so of said property, that every a hereof. If this is a rail or if d bill of lading, uncluding th bimself and bis manipul.	FROM S nknowa), marked, consigned to to carry to its usual and destination. It is musu evice to be performed bet rail-water shipment, or (2) one on the back thereof,	and destined as also place of delivery at ally agreed, as to e- cunder shall be subje in the applicable mo- set forth in the clas-	own below, which said destination, it is the carrier of all cit to all the terms tor carrier classification or tariff	said company (the word company being understood f on the own millioned water the highest con- trol may of and roperty wer all of supportion s and conditions of the Uniform Domestic Straight tool or tandf if this is a notice carrier supports, which governs the transportation of this shipment.
Consigned TC	PSC Environmental	(Mail or sk	tet address for purposes of n	otification only.)		Subject to Section 7 of conditions. If this shipment is to be delivered to the consignor without recourse on the consignor, the consignor that sign the following statement:
	on Delivery Shipments, the letters "COD" must appear before consignee's 28773 N. Penn Rd.			tfield	City	The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges
•	County	Dλ	Ctota 1 C	440	Zip	
Houte	(*To be filled in	only when shipper desires and go	overning tarëts provide for det	very thereat.)		(Signature of consignor)
Delivering Carri	er_ <i>VCB</i>	Car or V	ehicle Initials and I	No		C. O. D. Charges to be
	ery \$					Paid by □ Shipper □ Consignee
	StreetCity			State	If charges are to be prepaid, write or stamp here, "To be Prepaid."	
as H.M.	Kind of Package, Description of Articles, Special Marks,	and Exceptions	"Weight (Subject to Correction)	Claus or Rate	Check Column	
1	load water		5000	gal		Received S to apply
	#1					to prepayment of the charges on the property described bereon.
AFE#	51243					Agent or Cashier
						(The signature here acknowledges only the amount prepaid)
API#	37-115-20150					Charges Advanced.
Truck#	011/729					† The fibre containers used for this shipment
Plate#	AT 2011A					conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freigh
NOTE -Where the rate is	ween two ports by a carrier by water, the law requires that the bill of lading shall dependent on value, shippers are required to state specifically in writing the agree value of the property is hereby specifically stated by the shipper to be	ed or declared value of the property	's weight	per		Classification." TShipper's temprint in lieu of stamp; not a par of bil of lading upproved by the Interstate Commerce Commission.
	Chinno	4 Por				Agon
Permanent post-offic address of shipper,	· By Mil	3-2	4-10	Per		Agen
	7	5	•			

STRAIGH	IT BILL OF I	LADING—SHORT FORM	ORIG	INAL - NOT NE	GOTIABLE		China	er's No. SG-397
	0 :1	-	، د مسیم				Snipp	ers No
		er Irucking ations and tariffs in effect of the date of the		AER lading.			Carrie	er's No.
					FROM SRI	NR/Cabo	t	
the property desc throughout this c or routes, or wi of said route to Bill of Lading s Shipper hereby c and the said ten	cribed below, in appear roatract as meaning a thin the territory of destination, and as a set forth (1) in the reriffica that he is far ms and conductors are	ent good erder, except as noted (contents and ny person or corporation in possession of this highway operations, otherwise to deliver to o each party at any time interested in all or funform Freighe Classification in effect on the mahar with all the terms and conditions of con- berchy arread to by the abroper and accreases	condition of contents e property under the another carrier on t any of said property date hereof, if this the said bill of lading of for humself and his	of packages unlaw contract) agrees the route to said y, that every servic is a rail or rail- g, including those assums.	own), marked, consigned, to carry to its usual pro- destination. It is mutual re to be performed here water shipment, or (2) on the back thereof, is	and destined as sholace of delivery at lity agreed, as to e under shall be subje in the applicable moses forth in the cla	own below, which said destination, a ach carrier of all ect to all the term stor carrier classifica- ssification or tariff	said company the word company being suderstood fon its own milroad, water line, highway route or any of said property over all or any portion is and conditions of the Uniform Domestic Sunght too or testiff if this is a smoor corrier hipment which governs the transportation of this hipment.
		oury Generation		(Mail or street	address for purposes of no	offication only.)		Subject to Section 7 of conditions, if this shipment is to be delivered to the consigner without recourse on the consignor, the consignor shall sign the
On	Collect on Delivery Ship Old Tra	ments, the letters "COD" must appear before consig	nee's name or as otherw			in Dam		following statement: The carrier shall not make delivery of this shipment without payment of freight and all other
Destination					State		City	lawful charges.
Poute		County	ب بابات ب	ery_			Zip	
110016		(*To be f	lified in only when shippe	er desires and govan	ning tariffs provide for deliv	ery thereat.)		(Signature of consignor)
Delivering Carrier Car or Vehicle Initials and No Collect on Delivery \$ And Remit to								C. O. D. Charges to be Paid by Shipper Consignee
•				City State				If charges are to be prepaid, write resump here, "To be Prepaid."
No Packages	H.M.	Kind of Package, Description of Articles, Special			"Weight (Subject to Correction)	Class or Rate	Check Column	
1		load water			5000	gal		Received S to apply
		#3						in prepayment of the charges on the property described hereun
RETE								Agent or Cashier
_AX2	H 33							Per (The argnature here acknowledges only the amount prepaid.)
APT	!	37-115-20221						Charges Advanced
Truc	k 10	5						† "The fibre containers used for this shipment
Plat		72215						conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Preight Classification and Rule 5 of the National Motor Freight Classification."
	•	a carrier by water, the law requires that the bill of lading in shappers are required to state specifically in writing to operity is hereby specifically stated by the shippe			eight	per		thisper's imprint in lieu of stamp; not a part of bill of lating approved by the Interstate Commerce Commission
		Shi	pper, Per		·		,	Agent
Permanent pos address of ship	st-office oper,					Per		\sim
		A All		- 1				

STRAIGHT BILL OF LADING-SHORT FORM ORIGINAL - NOT NEGOTIABLE Shipper's No. 2227 Carrier's Name: Cannel Trucking RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading, Carrier's No. at Dinock Two. (Date) 3-25-10 FROM SRWR/Cabot the property described below, in apparent product of the property described below, in apparent products at meaning any person or corporation in possession of the property under the contract as meaning any person or corporation in possession of the property under the contract as meaning any person or corporation in possession of the property under the contract agrees to carry to its usual place of delivery at said destination. If on its own malroud, wrater line, or of the property under the contract agrees to carry to its usual place of delivery at said destination, of the under the contract agrees to carry to its usual place of delivery at said destination. It is meaning agreed, as to each center of all or any of said property over all or of tend toute to destination, and as to each party at any time interested in all or any of said property, that every serves to be performed hereunder shall be subject to all the terms and condations of the back thereof, the said the property contract of the property certifies that he is familiar with all the terms and conditions of the said billion of himself and his assigns. Subject to Section 7 of conditions. If that shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement. The currier shall not make delivery of this thipment without peyment of freight and all other lawful charges. Consigned TO Johnstown Regional Sewage On Collect on Delivery Shipments, the lefters "COO" must appear before consigners's name or as otherwise provided an Item 430, Sec. 1 241 Asphalt Rd. Johnstown City _County __ Zip Delivery Address State __ Route. (Signature of consignor.) C. O. D. Charges to be Delivering Carrier_ __ Car or Vehicle Initials and No. Paid by _ And Remit to _ Collect on Delivery \$ __ State Weight (Subject to Correction) Class or Rate H.M. Kind of Package, Description of Articles, Special Marks, and Exceptions 1 load water 4620 gal Agent or Cashier AFE# 51243 Per (The signature here acknowledges only the amount prepaid) API# 37-115-20150 Truck een two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weigh opendent on value, shippers are required to state specifically in writing the agreed or declared value of the property. ed or deplaced value of the property is hereby specifically stated by the shipper to be not exceeding _ Shipper, Per_ Agent Permanent post-office address of shipper, Per

CABOT-EPA 007232

STRAIGHT BILL OF LADING—SHORT FORM			ORIGINAL - NOT NEGOTIABLE			Shipper's No. <u>2228</u>		
<u>Carrier's</u>	Name	. Cannel Trucking				Carrie	er's No.	
	•	to the classifications and tariffs in effect on the date of the issue of this Bill						
the property throughout this or routes, or of said route Bill of Ladm Shipper hereby and the said	described s contrac within to desti g see for y certifier terms ar	below, in apparent good order except as socied (contents and conduiton of content as meaning any person or corporation in possession of the property under the territory of us highway operations, observate to deliver to annature carrier or antoon, and as to each party at any time materacted in all or any of said proy of the line of the content of the	mis of packages in the contract; agree on the route to a perty, that every a us it a rail or a dding, including the his assigns.	FROM SRVI mknown), marked, consigned, a rs to carry to its usual plasad destination, it is mutually arrice to be performed hereur mill-water shipment, or (21 in ose on the back thereof, set	IR/Cabo nd destined as sho ce of delivery at agreed, as to en der shall be subje the applicable mot forth in the class	wa below, which said destination, it ch carrier of all the terms or carrier classification or tariff	said company (the word company being anderstood for its own railroad, water hine, highway route or any of said property over all or any portion said conditions of the Uniform Domestic Smight into or can't if this is a motor carrier hippment, which governs the transportation of this alignment.	
Camalana	4TC	. Johnstown Regional Sewage	(Maliorate	eet address for purposes of notif	ication only.)		Subject to Section 7 of conditions, if this shipmens is to be delivered to the consigner without recourse on the consignor, the consignor shall sign the	
	On Collec	ct on Delivery Shipments, the letters "COD" must appear before consignee's name or as of	herwise provided in				following statement. The currier shall not make delivery of this shipment without payment of freight and all other	
Destination		241 Asphalt Rd. Street_					lawful charges.	
		County PA Deli	very	_State _ 15906		Zip		
		(*To be filled in only when sh	oper desires and go	overning tariffs provide for deliver	ythereat)		(Signature of consegnor.)	
Delivering	g Carri	er	Car or V	ehicle Initials and No	·		C. O. D. Charges to be	
Collect or	n Deliv	very \$And Re	emit to				Paid by □ Shipper □ Consignee	
	StreetCity					State	If charges are to be prepaid, write or stamp here. "To be Prepaid."	
No. Packages	нм	Kind of Package, Description of Articles, Special Marks, and Exception	n s	"Weight (Subject to Correction)	Class or Rate	Check Column		
1		load water		4620	cal			
		#1					Received S to apply in prepayment of the charges on the property described hereon	
AFE		51243					Agent or Cashler	
	1	31243		· · · · · · · · · · · · · · · · · · ·	 		Per (The signature here acknowledges only the amount prepaid.)	
API;	4	37-115-20150					Charges Advanced.	
Truc	⊃K#:	o l					t The fibra containers used for thus shipment	
PLat	te#	A E 35 W4					conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification.	
		tween two ports by a carrier by water, the law requires that the bill of biding shall state whether it is dependent on value, shippers are required to state specifically in writing the agreed or declared a value of the property is despite a precifically stated by the shipper to be not exceed.		's weight.	Der		Classification. 1Shipper's impinit in lieu of stamp; not a part of bill of lading approved by the Interstate Commerce Commission.	
		W/m Shipper, Per_					Agent	
Permanent address of s					Per			
			7					

STRAIGHT BILL OF LADING—SHORT FORM ORIGINAL - NOT NEGOTIABLE Shipper's No. 2229 Carrier's Name: Cannel Trucking Carrier's No. RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading, at DIROCK TWD. (Date) 3-25-10 FROM SRWR/Cabot the property described below, in apparent good order, except as, noted (contents and conditions of contents of packager unknown), marked, consigned, and destinated as shown below, which said company (the word company being unclivoushout did content as meaning any person or occupants on in possession of the property under the contract agrees to carry to its usual place of delivery at said destination, if on its own instituted, water line, highway of said property over all or any over all or any over all or any over all or any over all or an Subject to Section 7 of conductors, if this shipment is to be delivered to the consigner without recourse on the consignor, the consignor shall sign the following statement: The carrier shall not make delivery of this shipment without payment of freight and all other layers. (Mail or street address for purposes of notification only.) Consigned TO Johnstown Regional Sewage On Collection Delivery Shipments, the latters "COD" must appear before consigned a name or as otherwise provided in item 430, Sec. 1. Johnstown Regional Sewage Destination 241 Asphalt Rd. City Street ___ Johnstown 15906 Delivery Address★ Route_ C. O. D. Charges to be _ Car or Vehicle Initials and No. Delivering Carrier. Paid by And Remit to _ Collect on Delivery \$. If charges are to be prepaid, write stamp here, "To be Prepaid." City Street State *Weight (Subject to Correction) Check H.M. Kind of Package, Description of Articles, Special Marks, and Exceptions load water 4620 gal Received \$_______to in prepayment of the charges on the presented hereon. Agent or Cathier API# 51342 API# 37-115-20150 The fibre contamers used for this stapment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification. 1 Shipper's imprint in lieu of stamp, not a part of bill of ledling approved by the Interstate Commerce Commerce Commerce Commerce TrucK# <u>PLatle#</u> aier, the law requires that the bill of loding shall state whether it is carrier's or shipper's weight required to state specifically in writing the ugreed or declared value of the property. The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding Shipper, Per Agent

Per

CABOT-EPA 007234

DIM0227454

Permanent post-office address of shipper,

ORIGINAL - NOT NEGOTIABLE

Shipper's No. 2230	
Carrier's No.	

Carrier's Na		- C C C C C C C C.				Carrie	er's No.
		o the classifications and tariffs in effect on the date of	•	•			
at Dimo	ock	Twp. (Date)	3-25-10	FROM_s	RWR/Cabo	<u>at</u>	
the property descriptions of said soute to Bill of Lading s. Shipper hereby cound the said term	ribed to contract thin the destina- set fort certifies ms and	below. In apparent good order, except as noted (contects as meaning any person or corporation in potential or with territory of its highway operations, otherwise at deliverable and as to each purp at any time interested in all the contents of the content	and conductor or contents of given the property under the cont of to snother carrier on the r or any of said property, that the date hereof, if this is a of the said ball of lading, in epited for himself and his assistant.	nectages unknown, marked, consignar nect) agrees to carry to its usual oute to said destination it is mul it every service to be performed h rail or rail-water shipment, or (2) cluding those on the back thereof, gra.	d, and destined as at place of delivery at ually agreed, as to e ereunder shall be subj in the applicable me act forth in the cla	is said destination, is said destination, is said destination, is said destination, is said to said the term poor currier classification or terrif	said company (the word company being understood of on its own inlined, water line, highway route of any of said properly lover ill or any portion of any of the properly lover ill or any portion of said if it this is a motor carrier abipment, which governs the transportation of this shipment,
Consigned	то	Johsntown Region	al Sewage	(Mass or street accress for purposes of	notification only.)		Subject to Section 7 of conditions, if this stupment is to be delivered to the consigner without recourse on the consignor, the consignor shall sign the following statement
		24%1 Asphalt Rd.		•	Johsni	town city	The Carner shall not make delivery of this shipment without payment of freight and all other lawful charges.
		County	PA Doliver	State	15906	Zip	
Route		/	Address	ires and governing tariffs provide for de			(Signature of consignor.)
Daline sina C		,	na imag ni nulik auseu subbar nas	ites and governing terms provide for be	iivery utcreat.)		
		er					C. O. D. Charges to be Paid by
Collect on D	Deliv	ery \$:	And Remit to	D	· · · · · · · · · · · · · · · · · · ·		☐ Shipper ☐ Consignee
Street				City _		State	If charges are to be prepaid, write stamp here. "To be Prepaid"
No. Packages	HM.	Kind of Package, Description of Articles, Spe	cial Marks, and Exceptions	"Weight (Subject to Correction)	Class or Rate	Check Column	
1		load water		4620	gal	_	Received \$ to apply
		<u>#</u> 1					in prepayment of the charges on the propeny described hereon
		54249					Agent or Cashler
AFE#		51342					Per
API#		37-115-20150					Charges Advanced:
Truck	#	B16 BU,3	7				\$
Plate	4	AF73454 X1	7996	1			conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight
*If the shipment in NOTE —Where the	over bei	tween two ports by a carrier by water, the law requires that the bill of a dependent on value, shippers are required to state specifically in wri	ading shall state whether it is earner ting the agreed or declared value of t	s or shipper's weight he property.			Classification." †Shipper's imprint in lieu of stamp; not a part of bill of lading approved by the Interstate
The agreed or de	eclared	s value of the property is hereby specifically stated by the sl	ipper to be not exceeding		per		Commerce Commission
	4	& Hale	Shipper, Per				Agent
Permanent po address of ship	ost-offici ipper,	ce			Per		
				Л			

ORIGINAL - NOT NEGOTIABLE

Shipper's No. 2231

Carrier's I	Name:	Earron Trucking				Carrie	r's No.
· ·	•	to the classifications and tariffs in effect on the da	•				
at Di the property de throughout this or routes, or of said route Bill of Leding	escribed lescribed within the to destine set for	ck TWO (Document speared good order, except as noted (come as meaning any person or composition in posterior let instruction of its inghency operations, otherwise to atom and as to each puty at any time interested to the composition of the composition of the conditions are bretty agreed to by the hipper and the conditions are bretty agreed to by the hipper and the conditions are bretty agreed to by the hipper and the conditions are bretty agreed to be the hipper and the conditions are bretty agreed to be the hipper and the conditions are bretty agreed to be the hipper and the conditions are bretty agreed to be the hipper and the conditions are bretty agreed to be the hipper and the conditions are bretty agreed to be the hipper and the conditions are bretty agreed to be the hipper and the conditions are bretty agreed to be the hipper and the conditions are bretty agreed to be the hipper and the conditions are bretty agreed to be the hipper and the conditions are bretty agreed to be the hipper and the conditions are bretty agreed to be the hipper and the conditions are bretty agreed to be the hipper and the conditions are bretty agreed to be the hipper and the conditions are bretty agreed to be the hipper and the conditions are bretty agreed to be the hipper and the conditions are bretty agreed to be the hipper and the conditions are bretty agreed to be the conditions are bretty agreed to be the conditions are bretty agreed to be the conditions are bretty agreed to be the conditions are bretty agreed to be the conditions are bretty agreed to be the conditions are bretty agreed to be the conditions are bretty agreed to be the conditions are bretty agreed to be the conditions are bretty agreed to be the conditions are bretty agreed to be the conditions are bretty agreed to be the conditions are bretty agreed to be the conditions are bretty agreed to be the conditions are bretty agreed to be the conditions are bretty agreed to be the conditions are bretty agreed to be the conditions are bretty agreed to be the con	te) 3-25-10 ents and condition of contents of packer of the property under the controlled the controlled and or any of said property, that error to the date bereat, if this is a rail	FROMSRIJ tes unknown). marked. consigned, ngness to carry to its usual to said destination. It is mutus cry service to be performed her or rail-water shipment, or (2)	R/Cabot and destined as sho luce of delivery at lity agreed, as to ea aunder shall be subjet n the applicable moto	wn below, which said destination, if to all the term or carner classifies	said company (the word company being understood on its own rational, water lime, highway rotte or any of said property over all or any portion to any or the said conditions of the Uniform Domestic Strang- tion or tain! if this is a motor carner shapement.
				il or street address for purposes of no	titication only.)	micklon of tark	Subject to Section 7 of conditions, if this shipment
Consigned	OT _b	Johsntown RXegior on Delivery Shipments, the letters "COO" must appear bel	al Sewage				is to be delivered to the consigner without recourse on the consignor, the consignor shall sign the following statement:
Destinatio	Destination 241 Asphalt Rd. Street Johantown City						The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.
		County	PA	State <u>1</u>	5906	Zip	
Route			Address*_ (*To be filled in only when shipper desires	and governing tariits provide for delin	ary thereat)		(Signature of consignor)
		er				~	
Collect on	Collect on Delivery \$ And Remit to						Paid by □ Shipper □ Consignee
StreetCity						State	If charges are to be prepaid, write o stamp here. To be Prepaid."
. ₄o. Packages	н.м.	Kind of Package, Description of Article		*Weight (Subject to Correction)	Cless or Rate	Check Column	
1		loac water		4620	cal		Received 5 to app
							in prepayment of the charges on the proper described hereon.
7 1:							Agent of Cashier
<u>APE#</u>		51243					Per (The signature here acknowledges only the amount prepaid)
API#	1	<u>37-115-2015</u> ()				Charges Advanced.
Truck	4	BI) Duz	6				t 'The fibre containers used for this shipme
Plate	1	MARIOUR PTG	20720				conform to the specifications set forth in the bit maker's certificate thereon, and all other requirement of Rule 41 of the Uniform Freight Classificatus and Rule 5 of the Nauonal Motor Freight
		years to forth by a carner by water, the law requires that the beginned on value, shippers are required to state specifically lystum of the property is hereby specifically stated by		shipper's weight roperty.			Classification." 1Shipper's imprint in iteu of stamp, not a proof bill of lading approved by the Interstal Commerce Commission.
the agreed of	9	0.77			per		<u> </u>
-8		Jan	Shipper, Per				Ager
Permanent p address of si		ce			Per		
				∠ 7			

				- NOT NEGOTIABLE		Shipp	per's No. <u>PSC407</u>
Carrier's N		THE DITTE OF THE OWN				Carrie	The 117379
	•	the classifications and tariffs in effect on the date	•		4 - - 4		
at Dim	lock	TWO. (Date	3-25-10	FROM SR	WR/CAbo	t was below when	said company the word correspy being understood
throughout this or routes, or of said toute to Bill of Lading Shipper hereby and the said to	contract within the to destinal set forth certifies erms and	Date clow, in spparent good order except as coted (content as meaning any person of coprodution he possession except as in highway operations. Otherwise to del tool and see to the possession of the content of the lunder. Freight Classification in effects that he is familiar with all the bernet are continon or better the conditions are hereby agreed to by the shipper and	of the property under the contract ver to another carrier on the rout all or any of said property, that e in the date hereof, if this is a ra- i of the said bill of lading, inclu- accepted for himself and his assigns) agrees to carry to us usual place of the said destination it is mutually there is no said destination it is mutually there is no performed here if or rail-water shipment or (2) in ling those on the back thereof, se	ace of delivery at ly agreed, as to ea inder shall be subje to the applicable mo- it forth in the class	said destination, it ch carrier of all ct to all the term for carrier classifica scitication or tanff	If on as own majroad, water line, highway route or any of said property over all or any portions and conditions of the Uniform Domestic Stuajent attorn or saiff if this is a motor garrier shipment, which governs the transportation of this shipment,
		PSC Environmental on Delivery Shipmenta, the tetters COD must appear before	(Mi	all or street address for purposes of not	fication only)		Subject to Section 7 of conditions, if this shipment is to be delivered to the consigner without recourse on the consignor, the consignor shall sign the following statement:
		2773 N. Penn Ro. K				Citv	The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.
Destination		County		State			
Route						Zip	ļ
		. (*	To be filled in only when shipper desires	and governing tariffs provide for delive	ory thereat.)		(Signature of consignor.)
Delivering	Carrie	r	Car	or Vehicle Initials and N	0	·	C. O. D. Charges to be
Collect on	Delive	ery \$	And Remit to _		<u></u>		☐ Shipper ☐ Consignee
		Street		Citv		State	if charges are to be prepaid, write stamp here. To be Prepaid.
No. Packages	н.м.	Kind of Package, Description of Articles, S	pecial Marks, and Exceptions	*Weight (Subject to Correction)	Class or Rate	Check Column	
1		load water		6300	gal		
		#1 #1	· · · · · · · · · · · · · · · · · · ·		3		Received \$
							Agent or Cashier
AFE#		51243					Per
API#		37-155-20150	ASL AF	735695-10			the amount prepaid) Charges Advanced.
Truki	i#	630/669					\$
Plate		AT 818 2H					conform to the specifications set forth in the box maker's certificate thereon, and all other requirement of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification."
		ween two ports by a carrier by water, the law requires that the bill dependent on value, shippers are required to state specifically in a value of the property is hereby specifically stated by the		rahipper's weight property.	per		Classification." †Shipper's impont in lieu of stamp, not a par of bill of lading approved by the Interstate Commerce Commission
			Shipper, Per			1	
Permanent p	ost-offic				Per	fay 1	MA
				7]		7	
				71			

SINAIG	III OIL	L OF LADING—SHORT FOR	ORIGINAL - N	OT NEGOTIABLE		Shipp	er's No. <u>PSC408</u>
Carrier's N		US Environmental	FOR 1	PSC FAV.			US 112330
		e classifications and tariffs in effect on the date of					
at Dime the property de throughout this or routes, or ro of said route t Bill of Lading Shipper hereby and the said u	cribed below contract as within the teo o destination, set forth (1) certifies that	(Date). In apparent good order, except as noted (costenis a meaning any person or curporation in possession of rintory of its highway operations, otherwise to deliver and as to cach party at any time interested as all the continuous orders are properly to the continuous of the con	3-25-10 and condition of contents of package the property under the contract) in another carner on the route or any of said property, that ever the date bereof, if this is a rail of the sand bill of lading, including piped for humself and his assigns.	FROM SRW s unknown), marked, consigned, a grees to carry to its usual pla- to said destination. It is mutually to service to be performed hereur or rail-water shipment, or (2) in those on the back, thereof, set	R/CAbot and destined as show the of delivery at a agreed, as to each dest shall be subject the applicable motor forth in the classif	n below, which ind destination, if carrier of all to all the terms carrier classification or tariff	said company (the word company being understood on its own milroad, water line, highway route or any of land property over all or any protect of the said property over all or any protect of the said property over all or any protect of the said property over all or any protect of the said property of the said protect of the s
Consigned	TO_	PSC Environmenta	1	wetnet address for purposes of notif	ication only.)		Subject to Section 7 of conditions, if this shipment is to be delivered to the consigner without recourse on the consignor, the consignor shall sign the
Destination		773 N P enn Rd.	-			City	The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.
	-	County		State19			
Route		(*To	pe filled in only when shipper desires ar	d governing tariffs provide for deliver	y thereat)		(Signature of consignor.)
•		\$					C. O. D. Charges to be Paid by Shipper □ Consignee
	Delivery	Street		CityState			If charges are to be prepaid, write or stamp here. "To be Prepaid."
No. Packages	H.M.	Kind of Package, Description of Articles, Spec	al Marks, and Exceptions	*Weight (Subject to Correction)	Class or Rate	Check Column	
1		load water		6300	g£al		Received S
		# 1					described hereon. Agent of Cashier
AFE#		51243	PSC	BOL# 2324	15-10		l ·
API#		37-115-20150	O/s	NER# 11/4	036		Per (The signature here acknowledges only the amount prepaid.) Charges Advanced:
Truck	¥	670/668	·····				The fibre containers used for this shipmen conform to the specifications set forth in the box
Plate	<u> </u>	OT 8183H					maker's ceruficate thereon, and all other requirement of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freigh Classification.
NOTE —Where t	he rate is deper	two ports by a carrier by water, the law requires that the bill of it nident on value, shippers are required to state specifically in writing of the property is hereby appecifically stated by the shi	ng the agreed or declared value of the pro-	ipper's weight perty.	per_		tShipper's imprint in lieu of starop; not a par of bill of lading approved by the Interstate Commerce Commission.
		s	hipper, Per				Agen
Permanent praddress of sh	ost-office ipper,			·····	Per /	MI	WOR
			[1			,

ORIGINAL - NOT NEGOTIABLE

Carrie	er's No.
hown below, which t said destination, is each carrier of all ject to all the term olor carrier classifica-	said company (the word company being understood for its own railroad, water line, highway roote or any of said property over all or any portion and conditions of the Uniform Domestic Straight itien or tariff if this is a motor cerrier shupment which governs the transportation of this stupment.
City	Subject to Section 7 of conditions, if this shipmen is to be delivered to the consignee without recours on the consignor, the consignor with super the following statement. The carrier shall not make delivery of the shipment without payment of freight and all other handless of the shipment without payment of freight and all other handless.
	(Signature of consignar.)
State Check Column	C. O. D. Charges to be Paid by Shipper Consignee If charges are to be prepaid, write stamp hare. To be Prepaid.
	Received S to applin prepayment of the charges on the propert described hereon. Agent or Cashier
	Per (The signature here acknowledges only the amount prepaid)
	Charges Advanced: \$
	†Shipper's imprint in lieu of stamp; not a pr of bill of lading approved by the Intersta

Shipper's No. PSC409

Carrier's I	Vame:	SRWR					Carrie	r's No.
		o the classifications and tariffs in effect on the date		•				
at Di	moc	k Twp. (Date	3-25-10	FROM	SRN	R/CAbo	ot	
the property de throughout this or routes, or of said route Bill of Ladine Shipper here!s) and the said to	ecribed to contract within the to destina set forti certifies terms and	L TWD • (Date below, in apparent good order, except as noted (contents is manaing any person or corporation in possession to territory of its highway operations, otherwise to deliction, and as to each party at my time interested in (1) in the Uniform Freight Chistification in effect of that he is familiar with all the terms and conditions conditions are hereby agend by terms and conditions.	and condition of contents of pa of the property under the contin- wer to another carner on the ro- all or any of said property, this a the date hereof, if this is a of the said bill of boding, incl coepted for himself and his away	ackages unknown), marked, could agrees to carry to its use to said destination. It every service to be perfor rail or rail-water shipment, luding those on the back its.	onsigned, and usual place is mutually agmed herwunder or (2) in the thereof, set for	destined as short of delivery at greed, as to eac shall be subject applicable moto orth in the classi	on below, which said destination, it is carrier of all to all the terms of carrier classification or tanff	said company (the word company being understood on its own railroad, water line, highway roote on any of said propeny over all or any portion; and conditions of the Uniform Domestic Straight tion or staff if this is a motor carrier shipment which governs the transportation of this shipment.
Consigned	.TO	PSC Environmenta on Delivery Shipments, the letters "COD" must appear before	.1	Mail or street address for purp	oses of notificat	lon only.)		Subject to Section 7 of conditions, if this shipment is to be delivered to the consigner without recourse on the consignor, the consignor shall sign the following statement.
Destinatio	n <u>2</u>	773 N. Penn Rd.	Street	H	atfie	đić	City	The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.
		County	PA	State	194	40	Zip	
Route		[*]	Address Address of the part of	res and governing tariffs provid	s for delivery the	ereat.)		(Signature of consignor.)
Delivering	Carrie	/ a 	Ca					C. O. D. Charges to be
		ery \$	And Remit to					Paid by ☐ Shipper ☐ Consignee
Chrost				•			If charges are to be prepaid, write stamp here, "To be Prepaid."	
No. Packagas	нм.	Kind of Package, Description of Articles, S	pecial Marks, and Exceptions	*Weight (S to Correc	Dity	Class or Rats	Check Column	
1		load water		500	0	gal		Received 5 to apply in prepayment of the charges on the property
		#1						described herean.
AFE#		51243						Agent or Cashier
API#		37-115-20150					<u></u> ,	The signature here acknowledges only the amount prepard) Charges Advanced:
Truc	K#	011/729						† The fibre containers used for this shipmont
Plat		AT ZOIN						conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification."
NOTE Where	the rate is	ween two ports by a carrier by water, the law requires that the bill of dependent on value, shippers are required to state specifically in water value of the property is hereby specifically stated by the	nting the agreed or declared value of the	or shipper's weight. e property		per		†Shipper's import in lieu of stamp; not a part of bill of lading approved by the Interstate Commerce Commission.
agreed or	ortini (C		Shipper, Per	110		per		Agent
Permanent p		:e				Per		

STRAIG	STRAIGHT BILL OF LADING—SHORT FORM			ORIGINAL - NOT NEGOTIABLE			Shipp	Shipper's No. SG-395	
Carrier's N	lame	: C- Haer Trucking /S	RUR				Carrie	r's No.	
RECEIVED, s	ubject	to the classifications and tariffs in effection the dat	e of the issue of this B	till of lading,					
at Dime	<u>ock</u>	. CWT .	te) <u>3 - 25 -</u>	10	_FROM_s	RWR/Cabo	ot		
the property de throughout this or routes, or to of said route to Bill of Lading Shipper hereby and the said to	contract within to destined for set for certifies	Delow, an apparent good order, except as noted (content as meaning any person or comporation in possession be extratory of as highway operations, otherwise to allow and as to each party at any time interested in the (1) in the Uniform Freight Classification in effect the (1) in the person of the content o	not and consistent of co to of the property under cliver to another carrier all or any of said y on the date hereof, if ons of the said bill of accepted for himself a	intents of packages in if the contract) agree on the route to so roperty, that every so this is a sail or r lacing, including the nd his assigns	nancen; marked, consigned, s to earry to its usual a lid desination. It is mutual price to be performed her all-water shipment, or (2) see on the buck thereof.	and destined as sho place of delivery at ally agreed, as to eac cunder shall be subject in the applicable mou- set forth in the class	wa below, which said destanation, if the carrier of all to all the terms or carrier classification or tariff	and company time word company oring unermout on strong marked wister line, highway route or any of said property over all or any portion and conditions of the Uniform Downstit Strught tion or tanff of his is a motor carner shupment, which governs the trunsportstop of this shupment.	
Consigned	TO	Sunpury Generat	ion		net address for purposes of n	otification only.)		Subject to Section 7 of conditions, if this shipment is to be delivered to the consigner without recourse on the consignor, the consignor shall sign the following statement	
						Dam	Citv	The carner shall not make delivery of this shipment without payment of freight and all other lawful charges.	
Destriction		County	PA		_State	4-6-6			
Route		Old Trail Rd. County	A *To be filled in only when	elivery	verning tariffs provide for deliv		•	(Signature of consignor.)	
		er						C. O. D. Charges to be	
Collect on	Deliv	very \$	And	Remit to				Pald by ☐ Shipper ☐ Consignee	
StreetStreet					State	If charges are to be prepaid, write or stamp here. "To be Prepaid."			
No. Packages	н.м.	Kind of Package, Description of Articles	Special Marks, and Exce	otions	Weight (Subject to Correction)	Class or Rate	Check Column		
1		load water	.		5000	gal			
		#3			3000	401		Received \$	
AFE#		514家族01						Agent or Cashier	
					-	1 1		(The signature here acknowledges only the amount prepaid.)	
API#		37-115-20221						Charges Advanced.	
Truc	K#	105			<u> </u>			t 'The fibre containers used for this shipment	
Plate	e#	415 72215						conform to the specifications sat forth in the box maker's certificate therein, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification.	
*If the shipment NOTE —Where	moves be the rate i	etween two ports by a carrier by water, the law requires that the bis dependent on value, shippers are required to state specifically it	ii of inding shall state wheth n writing the agreed or deels	er it is carner's or shipper red value of the property.	's weight.	,		tShipper's imprint in lieu of stamp; not a part of bill of lading approved by the interstate	
The agreed or	declare	d value of the property is hereby specifically stated by t	he shipper to be not exce	eding		per		Commerce Commission	
	1	Kaul)	Shipper, Per_			<u> </u>		Agent	
Permanent p address of st						Per			
				5					

STRAIG	HTE	BILL OF LADING—SHORT F	ORM	ORIGINAL - N	OT NEGOTIABLE		Shinn	er's No. SG-396
Carrier's N	lame	: C. Haer Trucking /S to the classifications and tariffs in effect on the de	RWR	Josh	HAER			er's No.
RECEIVED, S	subject 1	to the classifications and tariffs in energy on the da	ite of the issue of	Dis Bill of lading,	5001 4 354			
at Diric	OCK scribed	below, in apparent good order, except as noted (con	ate)	of contents of package	FROM SRM s unknown), marked, consigned.	R/Cabot and destined as above	un below, which	said company (the word company being understood
diroughout this or routes, or re of said route to Bill of Lading Shipper hereby and the said to	contract within il to destin set for certifies erms an	Delow. In apparent good order, except as noted (con as meaning any person or corporation in potential to terminary of 1st highway operations, otherwise to tailon, and as to each party at any time interested to (1) in the Uniform Friench Classification in effect that he is familiar with all the terms and common of the conditions are hereby agreed to by the hipper as	on of the property deliver to another in all or any of t on the date here ons of the said t d secepted for him	under the contract) carrier on the route said property, that eve cof, if this is a rail till of lading, including self and his assigns.	agrees to carry to its usual ploor said destination. It is mutually service to be performed here or rail-water shipment, or (2) is those on the back thereof, as	ace of delivery at y agreed, as to ear inder shall be subject in the applicable moti it forth in the class	said destination, in carrier of all to all the terms or carrier classification or tariff	f on its own railroad, water hine, highway route or any of said property over all or any portion s and conditions of the Uniform Domestic Straight tion or estiff if this is a motor examer highment which governs the transportation of this shipment.
		Sunbury Genera		(Mail	or street address for purposes of not	fication only.)		Subject to Section 7 of conditions, if this shipment is to be delivered to the consigner without recourse on the consignor, the consignor shall sign the following statement:
		old Trail Rd.				Dam	Citv	The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.
		County	P	A	State 1787	16	Zip	
Route		County		_ Address★				
								(Signature of consignor.)
•		er very \$						C. O. D. Charges to be Paid by ☐ Shipper ☐ Consignee
		Street			City		State	If charges are to be prepaid, write stamp here, "To be Prepaid."
No. Packeges	н.м	Kind of Package, Description of Article		Exceptions	"Weight (Subject to Correction)	Class or Bate	Check	
						-		
1		load water			5000	gal		Received \$
		"13						in prepayment of the charges on the properly described hereon.
n mari								Agent or Coshier
AFE#		51401				-		Per
API_n^n		37-115-20221						the smount prepaid.) Charges Advanced.
Trucl	ζ#	105						† The fibre containers used for this shipment
Plate		AF72215	-					conform to the specifications set forth in the box maker's ceruficate thereos, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the Notional Motor Freight Classification.
*If the shipment s NOTE — Where t	moves be the rate is	tween two ports by a carrier by water, the law requires that the bacependent on value, shippers are required to state specifically	ill of lading shall state in writing the agreed o	whether it is carner's or sh r declared value of the proj	pper's weight.			tShipper's impoint in her of stamp, not a part of bill of lading approved by the Interstate
The agreed or	deciarec	d value of the property is hereby specifically stated by	he shipper to be no	t exceeding		per		Commerce Commission
			Shipper, F	er				Agent
Permanent p	ost-offic lipper,	СВ				Pe 2		~
		Beiler		> [7			
		-			_			

ORIGINAL - NOT NEGOTIABLE

						Snipp	ers No
Carrier's N		Cannel Trucking classifications and tariffs in effect on the date	of the icours of this Dill of lading			Carrie	er's No.
					ran /anha		
the property describroughout this or routes, or wo feath route to Bill of Lading in Shipper hereby and the said ten	cribed below, contract as sthin the ter destination, set forth (1) pertifies that ms and con-	Data Will a spanner good order, except as noted (content in meaning any person or corporation in possession minory of its highway operations, otherwise to do in the Uniform Preign Confession selffer in the Uniform Preign Confession self-free in the in familiar with all the servas and condution the self-free in familiar with all the servas and condution the self-free in the sel	e) 3-20-10 ts and condition of contents of poc of the property under the controct all or any of said property, that on the date hereof, if his is a ri us of the said bill of lading, unclu accepted for himself and his assert	FROM SE sages enknown), marked, consigned to sares to carry to its usual to to said destination. It is must every service to be performed he ail or rail-water thipment, or (2) ding those on the back thereof.	I, and destined as an place of delivery at mily agreed, as to execute a subject to the applicable me set forth in the cla	own below, which stud destination, it act to all the term stor carner classifica ssification or until	said company (the word company being understood f on its own railroad, water hae, highway rouse or any of said property ever all or any portion as and conditions of the Uniform Domestic Suraght thou or entarif if thus is a wordor carror hipment, which governs the unoxportation of this shipment.
	т_	Johnstown Bosion	n] Corango [M	all or street address for purposes of	notification only.)		Subject to Section 7 of conditions, if this shipment is to be delivered to the consigner without recourse on the consignor, the consignor shall sign the
On	Collect on De	slivery Shipments, the letters "COD" must appear befor	e consignae's name or as otherwise prov				following statement The carrier shall not make delivery of thus shipment without payment of freight and all other
Destination				City	tawful charges		
		County	PĀ Delivery	State	15906	Zip	
Route		County	Address Address To be filled in only when shipper desire	s and governing tariffs provide for de	very thereat.)		(Signature of consignor)
							C. O. D. Charges to be
Collect on Delivery \$ And Remit to							Paid by ☐ Shipper ☐ Consignee
_		Street		City_		State	If charges are to be prepaid, write or stamp here, "To be Prepaid."
	н.м.	Kind of Package, Description of Articles,	Special Marks, and Exceptions	*Weight (Subject to Correction)	Class or Rate	Check Column	
1		load water		4620	gal		Received S to apply
		#1					in prepayment of the charges on the property described hereon.
70 173 774		E1040					Agent or Cashier
AFE#		51243					Per
API		<u> 37-115-20150</u>					Charges Advanced:
Truck	, _# /.	25					\$
Plate	16	193/84					conform to the specifications set fosts in the box maker's ceruficate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight
*If the shipment mon NOTE Where the	ves between tw rate is depend	we ports by a carrier by water, the law requires that the bill lent on value, shippers are required to state specifically in	writing the agreed or declared value of the	or shipper's weight. property.	ř.		and Rule of the National Motor Freight Classification to the National Motor Freight †Shipper's impinit in lieu of stamp, not a par of bill of lading approved by the Interstate Commerce Commission
The agreed or dec	clared value	of the property is hereby specifically stated by the	shipper to be not exceeding		per		Commerce Commission
5 M	Just 1	1	Shipper, Per		ļ		Agen
Permanent post	t-office				1_		

CABOT-EPA 007242

STRAIGHT BILL OF LADING—SHORT FORM ORIGINAL - NOT NEGOTIABLE Shipper's No. ____235_ Carrier's Name: Cannel Trucking Carrier's No. RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading, at DIMOCK TWO. (Date) 3-26-10 FROM SRWR/Cabot the property described below, in apparent good order, except as noted (contents and condition of consents of partages wishnown), marked, consigned, and destined as shown below, which said company (the word composition below) which said shown below, which said company (the word composition or routes, or within the territory of its inglined species to early to its usual place of delivery at said destination, if on its own militorad, water or routes, or within the territory of its inglined species, as to each carrier of all or any of said property over of said rouse to definition, and as to each carrier of all or any of said property over of said rouse to definition, and as to each carrier of all or any of said property, over of said rouse to definition, and as to each carrier of all or any of said property over of said rouse to definition, and as to each carrier of all or any of said property over of said rouse to definition. The property over of said rouse to definition or the route to said detination, and as to each carrier of all or any of said property over of said rouse to definition. The property over of said rouse to definite to each carrier of all or any of said property, the said detination of the said continuous of the Uniform the property over of said continuous and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns. Consigned TO Johantown Regional Sewage On Collect on Delivery Shipments, the letters "COD" must appear before consigner's name or as otherwise provided in item 430, Sec. 1 Destination 241 Asphalt Rd. Johsntown Street. City 15906 State .Zip Delivery * Route. C. O. D. Charges to be Delivering Carrier_ _ Car or Vehicle Initials and No. Collect on Delivery \$ _ _And Remit to _ ☐ Shipper ☐ Consignee If charges are to be prepaid, write or stamp here, "To be Prepaid." State Weight (Subject to Correction) Class or Rate Check HM. Kind of Package, Description of Articles, Special Marks, and Exceptions load water 4620 gal AFE# 51243 37-115-20150 API E35004 *If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight NOTE — Where the rate is dependent on value, shippers and required to state specifically in writing the agreed or declared value of the property. The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding Shipper, Per_ . Agent Permanent post-office address of shipper,

CABOT-EPA 007243

STRAIGHT BILL OF LADING—SHORT FORM Carrier's Name: Cannel Trucking RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading,

241 Asphalt Rd.

ed TO Johsnton Regional Sewage On Collect on Delivery Shipmants, the letters "COD" must appear to fee

County.

load water

37-115-20150

51243

Kind of Package, Description of Articles, Special Marks, and Exceptions

Dimock Twp.

Route

Delivering Carrier_ Collect on Delivery \$ _

AFE:

_API#

Truk#

Permanent post-office address of shipper,

нм.

ORIGINAL - NOT NEGOTIABLE

FROM

State.

_ Car or Vehicle Initials and No. _

Johsntown 15906

City *Weight (Subject to Correction)

4620

3-26-10

Delivery Address (*To be filled in only when shipper desire

Shipper, Per

_ And Remit to _

| Carrier's No. SRWR/Cabot In destined as thewen below, which said company (the word company being um of delivery at said destination, if on its own raticod, water line, highway agreed, as to each carrier of all or any of said property over all or any of said property over all or any of said property over all or any of said property over all or any of said property over all or any of said property over all or any of said property over all or any of said property over all or any other shall be said and contained the consumption of this all stocks the consumption of this all stocks the consumption shall a factor of the carrier of this all following statement: Subject to Section ? of condenous, if this is to be delivered to the consumption shall a following statement: The currier shall not make delivery thingment without payment of freight and a lawful charges. State State State Class Chass |
|--|----------------------------------|
| d designed as shown below, which and company (the word company being unit of delivery at and destination, if on its own instruct, water line, highway the shall be subject to all the well of the shall be subject to all the well of the special of the shall be subject to all the well of the special of the shall be subject to all the werns and conditions of the Uniform Domain to the classification or tariff if this is a motor currer than the classification or tariff which governs the transportation of this at the contigion. The contigion of this at the consigion of the consigion of the consigion of the consigion of the consigion of the consigion of the consigion of the consigion of the consigion of the consigion of the consigion of the consigion of the consigion of the consigion of the same of the consigion of the consigion of the consigion of the consigion of the consigion of the consigion of the consigion of the consigion of the same of the consigion of the consi | |
| Subject to Socioe 7 of condennus, if this is to be delivered to the consigence without on the contigence without in the contigence without in the contigence without in the contigence without in the contigence without in the contigence without in the contigence without in the contigence without in the contigence without in the contigence without in the contigence without in the contigence without in the contigence without in the continue without in the continue without in the continue without in the continue without in the continue without in the continue without in the continue with the continue without in the continue with the contin | |
| The current and not make delivery the present of freight and a lawful charges. | |
| The current and not make delivery the present of freight and a lawful charges. | hipmer
recours
ign th |
| thereat.) C. O. D. Charges to be Paid by Shipper Consignes State Class Check | or en |
| C. O. D. Charges to be Peld by Shipper Consignee If charges are to be prepaid, we state Class Check | |
| Paid by State State Class Chass Paid by Charper Consignes If charper are to be prepaid, we | |
| State State Stamp here. "To be Prepaid." | |
| Ciaga Check | nte c |
| or Rale Column | |
| Received 5 to prepayment of the charges on the described hereos. | proper
app |
| Agent or Cashier | |
| Per (the signature here acknowledges only the amount prepaid.) | |
| Charges Advanced. | |
| 5. † "The fiber containers used for this conform to the estilizations set fortist proper certificate containing the proper certificate containing the proper certificate containing the property of Rule 41 of the Uniform Freight Class and Rule 5 of the National Motor. | the be
aircaner
sufication |
| Classification: Si use Passens solor Classification: Thisper's impurin in lieu of stamp, not of bill of lading approved by the Commerce Commission. | • |

Shipper's No. 2236

CABOT-EPA 007244

Agent

STRAIG	нтв	ILL OF LADING—SHORT FO	RM ORIGINAL -	NOT NEGOTIABLE		Shipp	per's No2237
Carrier's N	Name:	Barron Trucking		•		Carrie	er's No.
		the classifications and tariffs in effect on the date of			m./m. 1		
the property de throughout this or routes, or of said route Bill of Lading Shipper are threby and the said to	1 MOC scribed be contract within the to destinati set forth certifies erms and	ck TWD • (Date) How, in apparent good order, except as noted (contents as meaning any person or corporation in possession of the more of its highway operations, otherwise to deity ion, and as to each party at any time unterested in a (1) in the Uniform Freight Classification in effect on that he is familiar with all the terms and conditions are hereby agreed to by the shapper and as	3-26-10 and roadtuon of consents of packs of the property under the confirculer to another carrier on the route il no any of said property, that eithe date hereof, if this is a rail of the said bill of lading, jacholf cepted for himself and his essigns.	FROM SRW gest unknown), marked, consigned, sagrees to carry to its untail plant to said destantion it is mutually stry service to be performed hereur or rail-west shipment, or (2) in mp those on the back thereof, set	R/Capo and destined as sho ce of delivery at agreed, as to ea der shall be subje the applicable mot forth in the class	wa balow, which and destination, it can to all the left or carrier classification or land	and company the word company bring understood if on its own railroad, water line, highway routs to a condense of the Uniform Domestic Staught under or teriff if this is a motor carner shipment, which governs the transportation of this shipment.
Consigned	TO.	Johsnton Regional	Sewage	il or street address for purposes of notif	ication only.)		Subject to Section 7 of conditions. If this shipment is to be delivered to the consigner without recourse on the consignor, the consignor shall sign the following statement:
		n Delivery Shipments, the letters "COD" must appear before on 241 Asphalt Rd.	•	·	won	Citv	The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.
		County		State 1	5906	Zip	
Route		(*Te	be filled in only when shipper desires	and governing tariffs provide for deliver	y thereat)		(Signature of consigner.)
		ry \$	Car	or Vehicle Initials and No)		C. O. D. Charges to be Paid by Shipper Consignee
		Street		City		State	If charges are to be prepaid, write or stamp here, "To be Prepaid."
No Packages	н м.	Kind of Package, Description of Articles, Sp.		*Weight (Subject to Correction)	Class or Rate	Check Calumn	
1		load water		4620	gal		Received \$to apply in prepayment of the charges on the property
		#1					described hereon
afe#		51243					Agent or Cashier
API#		37-115-20150					(The signature here acknowledges only the amount prepaid.) Charges Advanced:
Fruck	ĝ	BID Bruse					\$
Plate	į c	WRING 17636	271			_	conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight
*If the shipmeni m NOTE Where th The agreed or d		n we prove y a currer by water, the law sequences must the bill of condens on value, shippers are required to stue specifically in who have property is hereby specifically stated by the st		chipper's veight. Openty.	per		Classification †Shipper's imprint in lieu of stamp: not a pan of bill of lading approved by the Interstate Commerce Commission
یکن	Ž	Jew-	Shipper, Per				Agent
Permanent po address of ship			···		Per		
				<u></u>		-	

STRAIG	HTE	BILL OF LADING— SHOR	TFORM	ORIGINAL NO	OT NEGOTIABLE		Shipp	er's No. <u>2238</u>
Carrier's l							Carrie	r's No.
		o the classifications and tartifs in effect on t						
at Din	lock	TWD.	(Date) 3-2	26-10	FROM_SI	WR/Cabo	t was below which	and engages the weed engages being understand
throughout this or routes, or of said route Bill of Lading Shipp: hereby and the said	contract within the to destine set for certifies terms and	as meaning any person or corporation in per territory of its highway operations, otherwise stion, and as to each party at any time anter the (1) in the Uniform Freight Classification in that he its familiar with all the terms and conditions are hereby agreed to by the shipp	ossession of the property to deliver to anoty ested in all or any effect on the dais conditions of the sailer and accepted for	erry under the contract) ager carrier on the route to of said property, that every hereof, if this is a rail of d bill of lading, including hierself and his assigns	prees to carry to its usual said destination. It is mutu- benice to be performed her ani-water shipment, or (2) those on the back thereof.	place of delivery at ally agreed, as to e cunder shall be subje in the applicable mo- set forth in the cla	said destination, it ach currier of all ect to all the term stor currier classifica ssafication or tanff	said company (the word company being understood on its own rillroad, water line, highway route or any of said property over all or any portion and condutions of the Uniform Domestic Straight upon or tentif if this is a reticer carrier signment, which governs the transportation of this shipment,
		Johantown Reto		(Mall or	street address for ourooses of n	olification only.)		Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse
		on Delivery Stilpments, the letters "COD" must appe 241 Asphalt Rd.				ruo m		on the consignor, the corruptor shall sign the following statement. The carrier shall not make delivery of this lawful charges.
Destinatio	n <u>_</u>	A: Aspirate Ku.	8	itreet	Out		City	13Will Charges.
Route		County		Delivery Address	State	13906	Zip	
								(Signature of consignor.)
-		erery \$						C. O. D. Charges to be Paid by ☐ Shipper ☐ Consignee
		•					. .	If charges are to be prepaid, write or stump here. "To be Prepaid."
7		Street			City_	Class	State	stamp sere. To be resputa.
- 85	н.м.	Kind of Package, Description of	Articles, Special Marks,	and exceptions	to Correction)	or Rate	Column	
1_		load water			4620	gal		Received \$10 apply
		#1						in prepayment of the charges on the property described hereon.
AFE#		51243						Agent or Cashier
								(The signature here acknowledges only the amount prepaid) Charges Advanced:
API#		37-115-2019 P/2 & T2019	21				<u> </u>	Cinagos Auvances:
Truck	12	12 4 10C	20 1					† 'The fibre containers used for this shipment conform to the specifications set forth in the box
Plate			(昭-9					maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification."
NOTE —Where t	the rate is	ween two ports by a carrier by water, the law requires the dependent on value, shippers are required to state specifically state of the property is hereby specifically state.	ically in writing the agree	ed or declared value of the prope	oper's weight, rity.	Der		†Shipper's imprint in lieu of stamp; not a port of bill of lading approved by the Interstate Commerce Commission.
agreed ()	<i>(</i>	o Julio de	Shipper		· · · · · · · · · · · · · · · · · · ·	per		Agen
						Per		
				5	/ 	,		

Consigned TO	onsigned TO PSC Environmental (Mail or street address for purposes of notification only) is on Collection Delivery Shipments, the letters "COO" must appear before consignes's name or as otherwise provided in Item 430, Sec. 1.								
	estination 2773 N. Penn Rd. Street Hatfield City								
	County PA Delivery Address (*To be filled in only when shipper desires.	State 194	140	Zip					
Houte	(*To be filled in only when shipper desires	and governing tariffs provide for delivery	thereat)		(Signature of consignor)				
	er Car				C. O. D. Charges to be				
Collect on Deliv	ery\$And Remit to _				Paid by ☐ Shipper ☐ Consignee				
	Street	City		State	If charges are to be prepoid, write a				
No. Packages H.M	Kind of Package, Description of Articles, Special Marks, and Exceptions	*Weight (Subject to Correction)	Clasa or Rate	Check Column					
1	load water	5000	gal	**	Received S to app				
	#1	57.33			described hereon.				
AFE#	51243	. "			Agem or Casher				
API#	37-115-20150				Per (The aignotuse here acknowledges only the amount prepaid.) Charges Advanced				
Truck#	of the second second				5				
Plate#	13:2474				maker's ceruficate thereon, and all other requireme of Rule 41 of the Uniform Freight Clussificati and Rule 5 of the National Motor Freight				
Truck#	to Barrelland	shipper's weight.			conform to the specifications set forth in maker's certificate thereon, and all other required of Rule 4) of the Uniform Freight Clust				

Subject to Section 7 of conditions, if this ships is to be delivered to the consignor without reco- tion on the consignor, the consignor shall sign following statement.		ation enly.)	est address for purposes of notific	al	is apparent pood order, except as noted (Contensional property) of the party of the property o	TO	uned
tonowing assemble. The carrier shall not make delivery of shipment without payment of freight and all o lawful charges.	City		Hatfield	Street	Ivery Shipments, the letters COD must appear befor 3 N. Penn Rd.	2773	Destination
	Zip	19440	_State	PA Delivery	County		Pauda
(Signature of consignor.)		thereat.)	verning tariffs provide for delivery	(*To be filled in only when shipper desires and g	(1		
C. O. D. Charges to be							
☐ Shipper ☐ Consignee				And Remit to	B	Delivery \$	Collect on
If charges are to be prepaid, write stamp here, "To be Prepaid."	State		City		Street	·	
	Check Column	Class or Rate	*Weight (Subject to Correction)	es, Special Marks, and Exceptions	Kind of Package, Description of Articles,	н.м.	No Packages
Received \$to a in prepayment of the charges on the pros		gal	5000		load water		1
described hereon.					#1		
Agent or Cashier					51243	2.4	AF
(The signature here acknowledges only the amount prepaid; Charges Advanced.							
\$				<u> </u>	37-115-20150		AP
† "The fibre containers used for this ship conform to the specifications set forth in the maker's certificate thereon, and all other required of Rule 41 of the Uniform Freight Classific and Rule 5 of the National Motor Fr				rf)	335-1120 PNG-9971 (Ot	ote#	
conform to the specifications set forth in the maker's certificate thereon, and all other require of Rule 41 of the Uniform Freight Classifi			's weight.	bill of lading shall state whether it is carner's or shapp in writing the agreed or declared value of the propert	PVG - The TI Cott. Vio poets by a carrier by water, the law requires that the bil end on value, shippees are required to state specifically in	a 1- a 16	D]

Consigned T	O PSC Environmental	(Mai	for street address for purposes of notif	cation only.)		and company the word company being successful on its own restread, water line, highway rest and conditions of the Uniform Domesur Straighton or tearff if this it is noted carrier being which governs the transportation of this shipmen which governs the transportation of this shipmen which governs the transportation of this shipmen which governs the transportation of this shipmen which governs the consignor of the consignor shall significances.
	Nection Delivery Shipments, the letters "COD" must epipear before 2733 No. Penn RG.	•	Hatfie	eld	City	The carrier shall not make delivery of the shipment without payment of freight and all oth lawful charges.
Soute	County	PA Delivery	State1944	10	Zip	
10010		(*To be filled in only when shipper desires	and governing tariffs provide for deliver	y thereat)		(Signature of coneignor.)
Delivering Ca	orrier VCB	Car	or Vehicle Initials and No	29	•	C. O. D. Charges to be Pald by Shipper □ Consignee
Joilect Off De	Street	And remit to	Citv		State	If charges are to be prepoid, write stump here "To be Prepoid."
No. Packages H.		s, Special Marks, and Exceptions	*Weight (Subject to Correction)	Class or Rate	Check Column	
1	load water		500018	gal		Received \$ to apply in prepayment of the charges on the proper described hereon
	#1				 	Agent or Cashier
AFE#	51243					Per The signature here acknowledges only
API:	37-115-2015	0				the amount prepaid) Charger Advanced:
Truck	011/729					\$
Plate	-1-30100					conform so the specifications set forth in the maker's certificate thereon, and all other requirem of Rule 41 of the Uniform Freight Classificat and Rule 5 of the National Motor Frei Classification."
Truck	011/729	0				t "The fibre containers used for this st conform to the specifications set forth in ut- maker's certificate thereon, and all other requi- of Rute 41 of the Uniform Freight Classi- and Rute 5 of the National Most

uue OThe	bury Ceneratio	(Mail or	street address for purposes o	f notification only.)		and company (the word company being undersor for the own maleraed, water line, highway true or any of said property over all or any portion and conductors of the Uniform Directic Straig tion or lateff if this is a motor certer shipmen, which governs the transportation of this thipmen is to be delivered to the consignee without recom- on the contigeor. The consigner shall sign it
On Collect on Delivery Sh	nipments, the letters "COD" must appear before	consignee's name or as otherwise provided				following statement: The carner shall not make delivery of the shipment without payment of freight and all oth lawful charges.
Destination		Street		17075	•	I ISWICE CHARGES.
	County	Delivery	State	17073	Zip	
loute	. (★1	o be filled in only when shipper desires and	governing tariffs provide for d	elivery thereat.)		(Signature of consignor.)
elivering Carrier		Car or	Vehicle Initials and	No		C. O. D. Charges to be
Collect on Delivery \$		And Remit to	4			Paid by ☐ ShIpper ☐ Consignee
	Street			Springer of the second	Stale	If charges are to be prepaid, write,
No Packages H.M.	Kind of Package, Description of Articles, Sp	2.1	Weight (Subject to Correction)		Check ' Column	
	- e	. ;				
	<u>ರಿಂತಿಗೆ ಅಗರ ಜಭೆ</u>	<u> </u>	1 5000	ಾಹತಿ	Ÿ	Received \$to ap in prepayment of the charges on the prope
•	173		<u></u>			described hereon
						Agent or Cathier
- X F	<u> 5,1401 </u>		· .			Per(The signature here acknowledges only
	- 145 - Am 44 m 6 1 10 f 4	• .	*		•	the amount prepaid) Charges Advanced;
	<u> </u>	-	E	+		
10	-		<u> </u>		7	\$
	22215					t "The fibre containers used for this shipm conform to the specifications set forth in the maker's certificate thereon, and all other requirem- of Rule 41 of the Uniform Freight Classifica
· · · · · · · · · · · · · · · · · · ·	78817		1			and Rule 5 of the National Motor Fre

delivery of the ghat and all other con-
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for this ships forth in the other requirement eight Classifica d Motor Fre

Carrier's Name: Cannel Trucking

ORIGINAL - NOT NEGOTIABLE

Shipper's No	2239	_
Carrier's No.		
		_

RECEIVED, sub	ect to the cl	assifications and tariffs in elfect on the date	of the issue of this Bill of lading.				
at Dime	OCK T	Data apparent good order, except as noted (contenting any person or corporation in possession	(e) 3-27-10 Its and condition of contents of packag of the property under the contract)	FROM S	RWR/Cabo and destined as sho place of delivery at	wn below, which and destination, if	said company (the word company being understood on its own railbood, water line, highway route or any of said propeny over all or any portion and condutions of the Uniform Domenic Surjection to unfil fit his is a roote camer shipment which governs the transportation of that shipment.
of said route to Bill of Leding se Shipper hereby ce and the taid term	nin the territor destination, and to the forth (1) is stiffed that he are conditions and conditions.	ry of its nightway operations, otherwise to do do so to each party at any sine inferential on the Uniform Freight Classification in effect is familiar with all the terms and conditions are hereby agreed to by the shipper and	all or any of said property, that eve on the date hereof, if this is a rail as of the said bill of lading, includin accepted for himself and his assigns.	to said destination. It is multi- represented to be performed her or rail-water shipment, or (2) g those on the back thereof,	ally agreed, as to ex- reunder shall be subjec- in the applicable mot set forth in the class	ch carrier of all et to all the terms or carrier classification or tariff	or any ot said property over all or any portion i and conduions of the Uniform Domestic Struight ion or tanff if this is a motor carner shipment which governs the transportation of this shipment.
Consigned 7	го	Johsntown Regio	nal Sewage (Mail	or street address for purposes of n	otification only)		Subject to Section 7 of conditions, if this shipment is to be delivered to the configure without recourse on the consignor, the consignor shall sign the following strumment:
Destination .	241	Asphalt Rd	Street	Johnst		City	The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.
Davida	·	County	PA Delivery↓	State	15906	Zip	
Houte		(5	Address	nd governing tariffs provide for dell	very thereal.)		(Signature of consignor.)
Delivering C	arrier		Car c	or Vehicle Initials and I	No		C. O. D. Charges to be
Collect on D	elivery \$.		And Remit to				☐ Shipper ☐ Consignee
		Street	·····	City		State	If charges are to be prepaid, write or stamp here. "To be Prepaid."
Far.uges H	ı.M.	Kind of Package, Description of Articles,		*Weight (Subject to Correction)	Class or Rate	Check Column	
1		load water		4620	gal		Received S to apply
		#1					Received \$ to apply in prepayment of the charges on the property described hereon.
AFE#		51243					Agent or Ceshier
							The signature here acknowledges only the amount prepaid.) Charges Advanced:
API#	,	37-115-2015	<u> </u>				\$
Plate:	7	HF 350	24				f The fibre containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight
		ports by a carner by water, the law requires that the bill on value, shippers are required to more specifically in the property is hereby specifically stated be the		hipper's weight. perty.	per		Classification." †Shipper's imprinat in heu of stamp: not a port of bill of lading approved by the Interstate Commerce Commission
		Win	_ Shipper, Per				Agent
Permanent post address of shipp	l-office per,	/ -			Per		
				П			

CABOT-EPA 007252

DIM0227454

STRAIGHT BILL OF LADING—SHORT FORM ORIGINAL - NOT NEGOTIABLE Shippers No. 2240 Carrier's No. Cannel Trucking RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading, FROM SRWR/Cabot Subject to Section 7 of conditions, if this shipment is to be delivered to the consignor without recourse on the consignor, the consignor shall sagn the following statement: The carrier shall not make delivery of this shipment without payment of freight and all other levelul charges. (Mall or street address for purposes of notification only.) Consigned TO Johantown REKERectional Sewage On Collect on Delivery Shipments, the latters "COO" must appear before considerate's name or as otherwise encoded Destination 241 Asphalt Rd. Johnstown City 15906 County _ State_ Zip Route. (Signature of consignor.) C. O. D. Charges to be _ Car or Vehicle Initials and No. Delivering Carrier. Paid by ☐ Shipper ☐ Consignee _ And Remit to _ Collect on Delivery \$ _ Street State *Weight (Subject to Correction) Class or Rate Check Column H.M. Kind of Package, Description of Articles, Special Marks, and Exceptions 4620 gal load water Agent or Cashier APE 51243 ure here acknowledges only 37-115-20150 APT# t 'The fibre containers used for this shipment conform to the specifications set forth in the box maker's crifficine thereon, and all other requirements of Rule 31 of the Uniform Freight Classification and Rule 3 of the National Motor Freight Classification. Thisper's imprina in lices of stamp, not a part of ball of loding approved by the Interstate Commerce Commission or the law requires that the bill of lading shall state whether it is carner's or shapper's weight equired to state specifically in writing the agreed or declared value of the property. The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding __ Shipper, Per_ Agent Permanent post-office address of shipper, Per

CABOT-EPA 007253

Destination 241 Asphalt Rd.

Route.

Delivering Carrier_

Collect on Delivery \$

AFE

H.M.

Carrier's Name: <u>Cannel Trucking</u>
RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading,

Consigned TO Johnston Regional Sewage
On Collection Delivery Shipments, the letters "COO" must appear before consigned's name or as otherwise provi

__ County

load water

37-115-20150

51243

ORIGINAL - NOT NEGOTIABLE

_ Car or Vehicle Initials and No.

"Weight (Subject to Correction)

4620

Per

Johsntown

(Date) 3-27-10

ted (contents and condition of contents of puckages possession of the property under the contract) agree to deliver to another carrier on the route to terested in all or any of said property, that every in effect on the date heroff, if this is a ruil of deconditions of the said bill of lading, including proper and accepted for himself and his awayin.

Street.

_ Shipper, Per.

And Remit to.

	Shipp	er's No. <u>2241</u>
	Carrie	r's No.
/Cabot destined as sho of delivery at agreed, as to ea r shall be subject to applicable moto	we below, which said destination, ich carrier of all it to all the terms of carrier classifica	paid company (the word company being understood for us own realroad, water line, highway route or any of said property over all or any portions of the Uniform Domestic Straight itien or tearff of this is a motor carrier shipment which governs the manageristion of this shipment.
ation only.)	streation or larit	which governs the transportation of this shipment. Subject to Section 7 of coaditions, if this shipment is to be delivered to the coarignee without recourse on the coarignor, thail tigh the
wn 15906	City	following statement. The carrier shall not make delivery of this alternative that the carrier shall not make delivery of the shapment without payment of freight and all other lawful charges.
hereal.)		(Signature of consignor) C. O. D. Charges to be Paid by
Class or Rate	State Check	. □ Shipper □ Consignee If charges are to be prepaid, write or samp here. "To be Prepaid."
gMal	Codin	Received \$
		Agent or Cashier Per The signature here acknowledges only the amount prepaid.)
		\$ † "The fibre contineer used for this shipmen conform to the specifications set forth in the bomaker's certificate thereon, and all other requirement of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freigh Classification (Shipper's imprint in hear of stamp; social particular to the product of the pro

CABOT-EPA 007254

Agent

ORIGINAL - NOT NEGOTIABLE

Shipper's No.	2242	

RECEIVED, subj	me: Rarron Trucki ject to the classifications and tariffs in effect				r's No.	
at Dim the property describ throughout this con or routes, or with of said route to 6 Bill of Lading set Shipper hereby cert and the said terms	bed below, in apparent good order, except as strains as meaning any person or corporation in the termory of its highway operations, ordestination, and as to each pany at any timer to forth (1) in the Unform Freight Classification, fiftee that he is familiar with all the terms and coadditions are hereby agreed to by the	(Date) 3-27-10 mored (contents and condition of contents of packages a possession of the property under the contents of packages and possession of the property under the contents and interested in all or any of told property that every many of told property that every and conditions of the said bill of bating, including and conditions of the said bill of bating, including shapper and accepted for himself and his assigns.	TROM SI unknown), marked, consigned, a rees to carry to its usual ple said destination. It is mutually service to be performed herez ratil-water shipment, or (2) in those on the back thereof, set	RWR/CAE and destined as sho ce of delivery at agreed, as to ea agreed as to ea agreed as to ea forth in the class	ven below, which is said destination, if ch carrier of all or to all the terms or carrier classification or tanif	and company (the word company being understood on its own railcood, water line, highway route or any of said peopeny over all or any portion and condumns of the Uniform Domestic Suzajta is no or tariff if thes is a moor carmer shipment which governs the transportation of this shipment,
Consigned Ton Con Co	O Johsntowa Recollection Delivery Shipments, the letters COD must	ajonal Sewage appear before consignes's name or as otherwise provided in	in Rem 430, Sec. 1. Johnst:	OW'N	Citv	Subject to Section 7 of conditions. If this shipment is to be delivered to the consigner without recourse following statement: The carrier shall not make delivery of this shipment without payment of freight and all other levelul charges.
Route	County	PA Delivery Address (*To be filled in only when shipper desires and	State15	906 y thereat)	Zip	(Sugnature of consignor.)
Delivering Ca	arrierelivery \$	Car or And Remit to	Vehicle Initials and No),		C. O. D. Charges to be Paid by Consignee If charges are to be prepaid, write or stamp here. "To be Prepaid
No. Packages H.	.M. Kind of Package, Description	on of Articles, Special Marks, and Excaptions	Weight (Subject to Correction)	Class or Rate	State Check Column	stamp here, "To be Prepaid"
1	load wat	er #1	4620	gal		Received \$
AFE#	51243	# 1				Agent or Cathier Per
API#	Bur 2	20150				Charges Advanced: \$
Plara	144B 37	F G res that the bill of lading shall state whether it is carrier's or shipp rescribedly in writing the agreed or declared value of the proper	per's weight.			conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Chattification."
The agreed or deci	lared value of the property is hereby specifically			Ba	1000	TShipper's imprime in here of attempt, not a part of bill of lading approved by the interstate Commerce Commission. Against A
address of shipp	ver.	ĺ		Per /\ G	gen 1	V O COCC

STRAIGHT BILL OF LADING—SHORT FORM ORIGINAL - NOT NEGOTIABLE Shipper's No. 2243 Carrier's Name: Parron Trucking Carrier's No. RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading, FROM SRWR/Cabot Consigned TO Johantown Regional Sewage On Collect on Delivery Shipments, the letters "COD" to set appear headers considered to the consideration of the cons 241 Asphalt Rd. Johsntwon City County. Zip Delivery Address (*To be filled in only when shapper desire Route. (Signature of consignor) C. O. D. Charges to be _ Car or Vehicle Initials and No. Delivering Carrier_ Paid by ☐ Shipper ☐ Consignee And Remit to _ Collect on Delivery \$ _ if charges are to be prepaid, write or stamp here. "To be Prepaid." City State Street Weight (Subject to Correction) Class or Rate Check Column H.M. Kind of Package, Description of Articles, Special Marks, and Exceptions 4620 load water qal in prepayment of the charges on the property described hereon. Agent or Cashier AFE 51243 API# 37-115-20150 Truck# The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _Shipper, Per_ Permanent post-office address of shipper,

CABOT-EPA 007256

		egibly filled in, in Ink, in Indelible F Carbon, and retained by the Agen	t.			Shipp	ers No. <u>96-393</u>
Carrier's Name:	೧. ತಂದರ ನಿರು	raki sa	fr. Fins			Carrie	rs No.
	1 1 1 m	effect on the date of the issue of t		•		-	
t	<u>a Drig. 7 - </u>	(Date) <u>5-27</u>	-10 %	FROM _STA	Ity CRay	ot "	7
ne property described belo roughout this contact at r routes, or within the f said route to destinate ill of Lading set forth hipper hereby certifies the of the said terms and c	ow, in apparent good order, exceps a meaning any person or corpor territory of its highway operation, and as to each party at any (1) as the Uniform Freight Class tas he is familiar with all the conditions are described as the conditions are described as the conditions are described.	x as noted (contents and conditions of union in possession of the property is, otherwise to deliver to another a time interested in all or any of infication in effect on the date hereoterns and conditions of the said bill with a three theory and accorded for himself.	of contents of packages unin under the control agrees armer on the rouse to said aid property, that every servi f, if this is a rail or rail- il of lading, including those elf and his assigns.	own), marked, consigned, and to carry to its usual place destination. It is mutually the to be performed hereund water shipment, or (2) in it on the back thereof, set	destined as sh of delivery at agreed, as to e ar shall be subju- te applicable mo- forth in the cla	own below, which said destination, i ach carrier of all set to all the term stor carrier chassifica ssification; or tariff	said company (the word company being underset, on 'its own railroad water line, highway to or any of said property over all or any ports and conditions of the Uniform Domestic Strait houghcat, carful if this is a motor centrer shipme which, governs the transportation of this shipme
onsigned TO_	i endire G	easmauion	(Mill) or street	address for purposes of notific	idion only.)	人	Sphject to Serdon 7 of conditions, if this shipm is 10, be delibered to the countgree without reco- ing the configeror, the consignor shall sign following statement. The carrier shall not make delivery of statement without payment of freight and all of langual charges.
	Delivery Shipments, the letters COC	or must appear before consignee's name Stre		430, Sec. 1. Smallachid	750	. 014.	The carrier shall not make delivery of shiftment without payment of freight and all of labella character.
Jesunauon	7.	· Sire		State 1787		City	1
Route	County		Delivery Address*	:		ZIP	
•	***		when shipper desires and gover	ning tariffs provide for delivery	hereal.)		(Signature of consegnor.)
Delivering Carrier			Caror Vel	icle Initials and No.		` ;	C.O.D. Charges to be
collect on Deliver	y \$	A	nd Remit to	· ·			□ Shipper □ Consignee
	·. s	treet				State	The Charges are to be prepaid, write
No. Packages H.M.		ectiotionol Articles, Special Marks, and I	exteptions	Weight (Subject V	Class R		
***	:	A STATE OF THE STA	×	50000	:4.	-	The same of the sa
1	- 1080 G	ater	Pare	xsze	⊕al		Received \$to a
			<u> </u>	·-			in prepayment of the charges on the prop described hereon
			•			س _د	Agent or Cashier
	<u> </u>		·.		· ·		Per (The signature here acknowledges only the amount prepaid)
371	3%4115	-20150	•				Charges Advanced.
		ı	n na na				, <i>(</i>
	<u> </u>		و به: اغاد				† "The afibre containers used for this ships conform to the specifications set forth in the
T.ara	*	5749575	÷				maker's certificate thereon, and all other requirem of Rule 41 of the Uniform Preight Classific- and Rule 5 of the National Motor Fr
	en two ports by a carrier by water, the le	w.requires that the bill of lading shall state w to state specifically to writing the agreed or	whether it is carrier's or shipper's u declared value of the property.	eight.			
	•	Mcally stated by the shipper to be not			per	- 3	CHESSILEMON. TShipper's imprist in lieu of stamp; not a of bill of lading approved by the inter commerce Community
If the shipment moves between OTE —Where the rate is dep	ine of the property is nevery spec						
If the shipment moves between NOTE —Where the rate is dep		C. 217 Shipper, Pe	er	· -` ·		Agent this Shippin	must detach and retain g Order and must sign Bill of Lading.

STRAIGHT	BILL OF LADING—SHORT FORM ORIGINAL - NO	OT NEGOTIABLE		Shipp	er's No3G-399	
Carrier's Name	Carrier's Name: C. KEHaer Trucking Josh HASR Carrier's RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading.					
at Dimoc the property described throughout this contract or routes, or within to of said route to destre Bill of Lading set for Shipper hereby certifies and the said terms an	below, is apparent good order, except as noted (contexts and condition of contents of packages as meaning any person or corporation in possession of the property under the contract is territory of its highway operations, otherwise to deliver to mother carrier on the route it maintenance and the following property at any time intersted in all or any of said property, that ever the 11 set to Uniform Prefer Classification in effect on the date thereof, if that is a rail of that the its familiar with all the terms and conditions of the said bill of lading including of conditions are bettern and conditions of the said bill of lading including the conditions of the said bill of lading including the said bill of lading including the said bill of lading including the said bill of lading including the said bill of lading including the said bill of lading including the said bill of lading including the said bill of lading including the said bill of lading including the said billion of the said billion	FROM consigned, in unknown). Restrict, consigned, in grees to carry to its usual pel said destination. It is menually service to be performed hereu rail-water shipment, or (2) in those on the back thereof, set	and destined as shore of delivery at agreed, as to each der shall be subject the applicable mote forth in the class.	on below, which said destination, if he carrier of all to all the terms or carrier classification or tartif	said company (the word company being understood f on its own makeod, water line, highway route or any of said property over all or say portion is and conduitons of the Uniform Domestic Straight tion or tentf if this is a motor carner shipment which governs the transportation of this shipment,	
	Sunbury Generation ton Delivery Stipments, the letters "COD" must appear before correspose's name or as otherwise provided.	r street address for purposes of noti	fication only)		Subject to Section 7 of conditions, if this shipment is to be delivered to the consigner without recourse on the consignor, the consignor shall sign the	
Destination	Old Trail Rd. Street S	hamokin Dan State 17	876	City	following statement. The carrier shall not make delivery of this shapment without payment of freight and all other lawful charges.	
Route	Delivery Address (**To be filled in only when shipper desires an	coverning tadife provide for delayer	h: Ihorned \		(Signature of consignor)	
Delivering Carri	erCaro	Vehicle Initials and No)		C. O. D. Charges to be	
_	ery \$And Remit to				Paid by □ Shipper □ Consignee	
	Street	City		State	If charges are to be prepaid, write or stamp here. To be Prepaid."	
es H.M.	Kind of Package, Description of Articles, Special Marks, and Exceptions	"Weight (Subject to Correction)	Class or Rate	Check Column		
1	load water	5000	gal		Received S to apply un prepayment of the churges on the property described hereon	
AFES					Agent or Castwer	
APT#	51243				Per (The signature here acknowledges only the amount prepaid.) Charges Advanced:	
	37-115-20150			· · · · · · · · · · · · · · · · · · ·	\$	
TrucK# PLate#	AF72215				1 "The fibre containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification."	
*If the shipment moves het NOTE —Where the rate is	tween two ports by a carner by water, the law requires that the bill of lading shall state whether it is carner's or shi dependent on value, hippers are required to state specifically in writing the agreed or declared value of the prop I value of the property is hereby specifically stated by the shipper to be not exceeding	oper's weight orly.	per		Classification. 1Shipper's impant in heu of stemp; act a pan of bill of lading approved by the Interstate Commerce Commission.	
36	20 CT-10-21Bshipper, Per				Agen	
Permanent post-office address of shipper,			Per			
	C					

ORIGINAL - NOT NEGOTIABLE

STRAGIT BLE OF EADING—GHOTT FORM			ORIGINAL - NOT NEGOTIABLE Sh			Shipp	hipper's No	
Carrier's !	Vame:	Cannal Trucking				Carrie	er's No.	
RECEIVED,	ubject to	Cannel Trucking of the classifications and tariffs in effect on the date of the issue	ue of this Bill of lading,					
at _Dia	noc	k_Twp. (Date) 3-2	28-10	FROM SRW	R/Cabot	• •		
the property de throughout this or routes, or of said route Bill of Lading Shipper hereby and the said I	contract within th to destina net forti certifies terms and	k TV/De (Date) 3-2 klow, is apparent good order, except as noted (contents and cond as meaning any person or corporation in postession of the pr is territory of its highway operations, otherwise to deliver to san islos, and as to each party at any three interested in all or any h(1) in the Uniform Freigh Classification a effect on the date that is conditions are betterly agreed to by the shipper and accepted for	ition of contents of packages operty under the contract) ago wher carrier on the rouse to of said property, that every hereof, if this is a rail or and bill of loding, including himself and his assigns.	unknown), marked, consigned, rees to carry to its usual plus and destination. It is mutually service to be performed herour rail-water shipment, or (2) in those on the back thereof, set	and destaned as shor ace of delivery at y agreed, as so ear ader shall be subject the applicable most torth in the class	wn below, which said destination, in carrier of all to all the term or carrier classifies difficulties or terriff	said company (the word company being understood f on its own a rillinoid, water line, highway route or any of said propenty over all or any portion a and conditions of the Uniform Domestic Straight ultion or trail if this is a motor earner shipment which governs the transportation of this shipment.	
Canalana	·ΤΩ	Johsntown Regional S on Delivery Shipments, the letters "COD" must appear before consignes"	ousse Sewace	street address for purposes of not	Mostion only.)		Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:	
		on Delivery Shipments, the latters "COD" must appear before consignee": 41 KAMAKNAS phalt Rd.			.own	Citv	The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.	
		County	PA	State 1	5906	Zip		
Route		County(*Tobe filed)	Delivery Address					
		(±To be filled)	n only when shipper desires and	governing tariffs provide for delive	ry thereat.)		(Signature of consignor.)	
_		ery \$					C. O. D. Charges to be Paid by Shipper Consignee	
		Character		0		State	If charges are to be prepaid, write or stamp here, "To be Prepaid,"	
No. Packages	H.M.	Kind of Package, Description of Articles, Special Mark		*Weight (Subject to Correction)	Class or Rale	Check Column		
1		load water		4620	gal		Received \$ to apply in prepayment of the charges on this property described hereon.	
		⊭1						
AFE#		51243					Agent or Cashier	
7 5 T T 19							Per (The signature here scknowledges only the amount prepaid.)	
API#		37-115-20150			1		Charges Advanced	
Truc	¢#	125					t "The fibre containers used for this shipment	
Plate	e#	YX13184					conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification."	
NOTE Where	the rate as	wen two ports by a carner by water, the law requires that the bill of lading shall dependent on value, shippers are required to state specifically in writing the ag- value of the property is bereby specifically stated by the shipper to	reed or declared value of the proper	per's weight. ny.	per	-	This period of the control of the co	
in	J)	Hilly Shippe					Agen	
Permanent p		6			Per			

CABOT-EPA 007259

DIM0227454

STRAIGHT BILL OF LADING—SHORT FORM ORIGINA			ORIGINAL ORIGINAL	- NOT NEGOTIABLE		Shipp	er's No. 2245
Carrier's Na	ame: Ca	annel Trucking				Carrie	ers No.
	•	lassifications and tariffs in effect on the date	•	•	-		
at Dim	lock :	Pwp. (Date	3-28-10	FROM S	RWR/CAbo	t _	
the property described throughout this corroutes, or win of said route to Bill of Lading a Shipper hereby a and the said term.	embed below, is contract as me ithin the territor destination, and sertifies that homes and condition	in apparent good order, except as noted (content caning any person or corporation in possession any of its highway operations, otherwise to del full as to each party at any time interested in in the Uniform Freight Classification in effect e is familiar with all the terms and condition tons are hereby agreed to by the shipper and	a and condution of contents of po of the property under the contra vere to another carrier on the ro- all or any of said property, that in the date hereof, if this is a sof the said bill of lading, incl accepted for himself and his issign	uckages unknown), marked, consig- ici) agrees to carry to its usur use to said destination. It is m every service to be performed rail or rail-water shipment, or () uding those on the back thereons.	ed, and destined as sho- i place of delivery at unally agreed, as to each hereunder shall be subject in the applicable moto, set forth in the class	we below, which said destination, it camer of all to all the terms or carrier classifies affication or tariff	said company (the word company being understood for its own railroad, water line, highway route or any of said propenty over all or any portion as and conditions of the Uniform Domestic Straight tion or entail fit this is a motor carrier shipment, which governs the transportation of this shipment.
		Johnstown Regions ory Shipments, the letters "COD" must appear before	(1	Mail or street address for purposes t	f notification only.)		Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement
		1 Asphalt Rd.			ntewn	a v.	The corner shall not make delivery of this shipment without payment of freight and all other lawful charges.
Destination						City	LAWIDI CHAIRES.
		County		State		Zip	
Houte		(*	To be filled in only when shipper desir	es and governing tantis provide for o	lelivery thereat.)		(Signature of consignor.)
							C. O. D. Charges to be
Collect on D	Delivery \$		And Remit to		···		Paid by ☐ Shipper ☐ Consignee
		Street		Citv		State	If charges are to be prepaid, write or stamp here, "To be Prepaid."
; 985	н.м.	Kind of Package, Description of Articles, S		"Weight (Subject to Correction)		Check Column	
1		load water		4620	gal		Received \$to apply
		#1					in prepayment of the charges on the property described hereon.
AFE/S		51243					Agent or Cashier
232 471							Per (The signature here acknowledges only the amount prepaid.)
API#		<u> 37-115-20150</u>					Charges Advanced.
Truci	77 ml	04					<u> </u>
Plate		AE3500	6				f "The fibre comtaners used for this shipmen conform to the specifications sel forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the Ntinonal Motor Freigh
"If the shipment mo NOTE —Where the	aves between two e rate is depende	o ports by a carrier by water, the law requires that the bill ni on value, shippers are required to state specifically in a of the property betweeby specifically stated by the	viiting the agreed or declared value of th	or shipper's weight, e property	per		Classification." †Shipper's unprint in lieu of stamp, not a par of bill of lating approved by the interstate Commerce Commission.
	0	1	Shipper, Per				Agen
Permanent por address of ship		V V			Per		
				27			

ORIGINAL - NOT NEGOTIABLE

STRAIGHT BILL OF LADING—SHORT FORIN			ORIGINAL - N	OT NEGOTIABLE		Shipp	er's No. 2246
Carrier's I	Name:	Cannel Truking				Carrie	er's No.
RECEIVED,	subject to	the classifications and tariffs in effect on the date of					
at <u>Di</u> n	<u>iock</u>	TWD. (Date	3-28-10	FROM_SR	WR/CAbo	ot	
the property di throughout this or routes, or of said route Bill of Lading Shipper hereby and the said	escribed by contract within the to destinal set forth certifies crims and	elow, in apparent good order, except as noted (coatents as meaning any person or composition in possession certainty of its highway operations, otherwise to deficition, and as to each party at any time loterested in it (1) in the Uniform Person Classification in effect of the Coatent of the	and condition of contents of package of the property under the conincit a rer to another carrier on the route at all or any of said property, that ever the date better of the said bill of taking, activating scepted for himself and his assigns.	s unknown), marked consigned grees to carry to its usual places to carry to its usual places of the unital places of the unital places of the performed here, or rail-water shipment, or (2) in those on the back thereof, se	and destined as shace of delivery at y agreed, as to e inder shall be subjet the applicable mo it forth in the cize	own below, which said destination, it ach carrier of all ect to all the terms stor carrier classifica saification or tariff	said company (the word company being understood f on its own railtoad, water line, highway route or any of said property over all or any portion is and conductors of the Uniform Domestic Strugght tion or can'll if this is a motor certific shipment, which governs the transportation of this shipment,
Consigned	OTi	Johantown Regiona	l Sewace	r street address for purposes of not	lfication only.)		Subject to Section 7 of conditions, if this shipment is to be delivered to the consigner without recourse on the consignor, the consignor shall sign the following statement:
		on Delivery Shipments, the letters "COD" must appear before of 41 Aspahlt Ra.	•		n	City	The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.
		County	PA	State159		Zip	
Route		(★1	Delivery Address*				(Signature of consignor.)
		r					C. O. D. Charges to be
		ery \$					Paid by Consignee Consignee
		Street		Citv		State	If charges are to be prepaid, write or stamp here. To be Prepaid."
No. Packages	H.M.	Kind of Package, Description of Articles, Sp		"Weight (Subject to Correction)	Class or Rate	Check Calumn	
1		load water		4620	gal		Received \$to apply
		#1					in prepayment of the charges on the property described hereon.
AFE#		51243					Agent or Cashier
							(The signature here acknowledges only the amount prepaid)
API#		37-115-20150			-		Charges Advanced:
Trcu#	k	B (The fibre containers used for this shipmen
Plate	#	AE35004					conform to the specifications set forth in the bott maker's certificate thereon, and all other requirement of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freigh
		een two ports by a currier by water, the law requires that the bill of ependent on value, shippers are required to state specifically in wr value of the property is hepeby pecifically stated by the a		pper's weight. eny.	per		Classification." 1 Shipper's repeint in heu of starap, not a par of bill of tading approved by the Interstate Commerce Commission.
		wyn	Shipper, Per				Agen
Permanent po address of sh				<u></u>	Per		
			٠	7			

ORIGINAL - NOT NEGOTIABLE

STRAIGHT BILL OF LADING—SHORT FORM			ORIGINAL - N	IOT NEGOTIABLE		Shipp	er's No. 2247
Carrier's	Name:	Barron Trucking				Carrie	er's No.
		the classifications and tariffs in effect on the date	of the issue of this Bill of lading,				
at Di the property of throughout this or routes, or of sand route Bill of Leding Shipper hereby and the said	escribed be contract within the to desunati set forth certifies therms and	low, in apparent good order, except as acided tecentaries as meaning any person or corporation in possession territory of its highway operations, otherwise to define, and as to each party at any time interacted in (1) in the Uniform Fright Classification in effect of that he is familiar with all the arms and conditions conditions are hereby agreed to by the thippers and it.	and condition of contents of package of the property under the contract of the property under the contract all cr any of said property, that even the dashered, if this is a rail of the said bill of lating, including cocepted for himself and his sassyna.	FROM SI es unknown), marked, consigned, agrees to carry to its usual ph to said destination it is nutually ty service to be performed here or rail-wave shopment, or (2) in g those on the back thereof, se	and destined as shace of delivery at y agreed, as to e- inder shall be subjet the applicable snot a forth in the claim	own below, which said destination, is che camer of all cit to all the term tor carner classification or tariff	and company (the word company being understood of on its own natirood, water line, highway route or any of said property ower all or any portion is and consistents of the Uniform Domesic Straight line or traff of this is a motor carrier thingment, which governs the transportation of this shipment.
Consigne	σТь	Johsntown Region	nal Sewace	or street address for purposes of not	ification only.)		Subject to Section 7 of conditions, if this shipment is to be delivered to the consigner without recourse on the consignor, the consignor shall also the following statement:
		241 Asphalt Rd.			ntown	Citv	The earner shall not make delivery of this shipment without payment of freight and all other lawful charges.
Pouto		County	PA Delivery	State 1	5906	Zip	
noute		(*	To be filled in only when shipper desires as	nd governing tariffs provide for dalive	ry thereat.)		(Signature of contignor.)
		ry \$					C. O. D. Charges to be Paid by Shipper Consignee
Street				City	If charges are to be prepaid, write or stamp here. "To be Prepaid."		
F	н,м.	Kind of Package, Description of Articles, S	pecial Marks, and Exceptions	"Weight (Subject to Correction)	Class or Rate	Check Column	
1_				4620	gal		Received S to apply in prepayment of the charges on the property described hereon
AFE:		51243					Agent or Cashier
API		37-115-20150					Per (The signature here acknowledges only the amoust prepaid.) Charges Advanced.
Treu		1317 BU/2	1				\$
Plat	e#	44R1715 PI	620311		·		conform to the specifications set forth in the bot maker's certificate thereon, and all other requirement of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification.
		A two forts by a curner by water, the law requires that the bill of persists of value, shippers are required to state specifically in w alue of the property is hereby specifically stated by the		nipper's weight. perty.	рег		TShipper's imprint in heu of stamp; not a par of bill of lading approved by the Interstate Commerce Commission.
		Les Jol	Shipper, Per				Agen
Permanent	ost-office						

CABOT-EPA 007262

DIM0228495

DIM0227454

ORIGINAL - NOT NEGOTIABLE

						Shipp	BI 3 NO2240
		Barron Trucking				Carrie	er's No.
,	,	to the classifications and tariffs in effect on the date o					
t Dim	ock	TWD. (Date)	3-28-10	FROM SRV	IR/Cabo	t	
he property de broughout this r coutes, or to d said route to bill of Lading hipper hereby nd the said to	scribed contract within U to destine set for certifies	CTWO . (Date) below, an apparent good order, except as noted (contents as meaning any person or corporation is possession of a territory of its Inghway operations, otherwise to delivention, and as to each party at any time Interested in a high the Cutform French Classification is effect on the Cutform french Classification is effect on the Cutform french Classification in effect on the Cutform french Classification is effect on the Cutform french Classification in effect on the Cutform french Classification is effect on the Cutform french Classification in effect on the Cutform french Classification in effect on the Cutform french Classification in effect on the Cutform french Classification in the Cutfo	and condition of contents of pockage of the property under the contract) or to another currier on the nouse it or any of said property, that ever the date hereof, if this is a rail of the said bill of lacting, including capted for humself and his assignis.	s unknown), marked, consigned, is grees to carry to its usual pin o said destination. It is mutually y service to be performed herein or fall-water shupment, or (2) in those on the back thereof, set	and destined as sho are of delivery at y agreed, as to em ander shall be subject the applicable most is forth in the class	wn below, which said destination, if carrier of all to all the terms carrier classification or tanff	said company (the word company bring understood for one sown milmad, water lines, highway route or any of said properly over all or any portions and conditions of the Uniform Domestic Straight tion or tanff if this is a motor carrer shipment, which governs the transportation of this shipment,
			(Mai c	r street address for purposes of noti	fication only.)		Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse
consigned		Johnstown Regiona on Delivery Shipments, the letters "COD" must appear before on	L SEWAGE	In tem 430. Sec. 1.			on the consignor, the consignor shall sign the following statement: The carrier shall not make delivery of this
		41 Asphalt rd.			won	City	shipment without payment of freight and all other lawful charges.
		County	PA	State159	906	Zip	
		(*To					(Signature of consignor)
elivering	Carrie	er	Car o	r Vehicle Initials and No)		C. O. D. Charges to be Paid by
Collect on	Deliv	ery \$	And Remit to		····		☐ Shipper ☐ Consignee
····		Street		City		State	If charges are to be prepaid, write or stamp here. To be Prepaid."
No. Packages	H M.	Kind of Package, Description of Articles, Spo		*Weight (Subject to Correction)	Class or Rate	Check Column	
		3 2 /		4630	1		
1		<u>load water</u>		4620	gal		Received S to apply in prepayment of the charges on the property
		<u>#</u> 1					described hereon
N 17170 //		r1242					Agent or Cashier
AFE#		51243	 				Per [The aignature here acknowledges only the amount prepoid]
API#		37-115-20150					Charges Advanced
Truc	K#	BW-3			1		t 'The fibre containers used for this shipment
Plat		44B 37 89 %					conform to the specifications set forth is the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight
If the shipment in	oves bet	ween two ports by a carrier by water, the law requires that the bill of dependent on value, shappers are required to state specifically in wri	lading shall state whether it is currier's or she	pper's weight	<u> </u>	*****	Classification." †Shipper's imprint in lies of stamp, not a part
		value of the property is hereby specifically stated by the si		· •	per		of bill of lading approved by the Interstate Commerce Commission.
					13.	pro	Tolow
			Shipper, Per		1 , 5 ,	7 1 1	Agent
ermanent po		8			Per A	alch y	Holle

CABOT-EPA 007263

DIM0227454

ORIGINAL - NOT NEGOTIABLE

Shipper's No. SG-400
Carrier's No.

Carrier's Nam	ne:xxx	おおおたC Haar Tri assilications and tariffs in effect on the da	cking	Carrier's No.			
Dimo		assincations and tarins in ellection the da	3-28-10	EDOM SD	WR/Cabo	+	
the property describe throughout this cont or routes, or within of said route to de Bill of Lading set Shipper hereby certiand the said terms	ned below, in tiruct as mea- in the terriso lestination, an forth (1) in tifies that he and conduc-	a paparent good order, except as noted (con ning any person or corporation in possessi- ty of its highway operations, otherwise to d as to each party at any time interested the Uniform Freight Classification in effec- is familiar with all the terms and condu- cate interesting agreed to by the shipper an	nems and condition of contents of packs on of the property under the construction of deliver to another camer on the rorte in all or any of said property, that et is on the date hereof. If this is a rail ons of the said bill of lading, included accepted for himself and his sasgns.	ges unknown), marked, consigned, agrees to carry to its usual to said distinguish. It is mutus very service to be performed ken or rail-water thipment, or (2) ng those on the back thereof.	and destried as sho place of delivery at tilly agreed, as to ea- cunder shall be subjec- in the applicable mod- see forth in the class	wn below, which s said destination, if the carrier of all c it to all the terms or carrier classifica- tification or tariff	taid company (the word company being understood on its own railmad, water line. highway route or any of said property over all or any portion and conditions of the Uniform Densetic Strugbt which conditions of the Uniform Densetic Strugbt with Conditions of the Uniform Densetic Strugbt with Conditions of the Strugbt of t
Considered	·^	Sunbury Cenerat	ion """	. a. olivet good aas is. perposes of in	otification only.)		Subject to Section 7 of conditions, if this shipment is to be delivered to the consigner without recourse on the consigner, the consigner shall sign the following statement:
On Ca	ollect on Deliv	ery Shipments, the letters "COD" must appear bef	ore consignee's name or as otherwise provid		מניכון		The earner shall not make delivery of this shipment without payment of freight and all other
Destination ⊆	<u> </u>	rail Rd.	——— Street ———— ⊃∧	Shamorth A	217375	City	lawful charges.
Pourto		County	Delivery	StateA	<u> </u>	ZIP	
HOULE			(*To be filled in only when shipper desires	and governing tantis provide for dela	very thereat.)		(Signature of consignor.)
Delivering Ca	arrier		Car	or Vehicle Initials and N	Vo		C. O. D. Charges to be
Collect on De	elivery \$		And Remit to _				Paid by ☐ Shipper ☐ Consignee
		Street		City		State	If charges are to be prepaid, write or stamp here, "To be Prepaid."
∠es H.i	м.	Kind of Package, Description of Article	s, Special Marks, and Exceptions	"Weight (Subject to Correction)	Class or Rate	Check Column	
				5000			
_ 1		<u>load water</u>		XEXM	gal		Received \$to apply in prepayment of the charges on the property
1		#1					described hereon.
7 1		540434					Agent or Cashier
AFE#		51243%					Per (The signature here acknowledges only the amount prepaid)
APT#		37-115-2015	0				Charges Advanced
77 11	#	103 MILE					
Truck#		199					f "The fibre containers used for this shument conform to the specifications set forth in the box maker's certificate thereon, and all other requirements
Plate#	$\perp y$	468595	,				maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification."
NO IE Where the re	rate is depende:	parts by a Co or west, the law requires it is the nt on value, shippers are required to state specifically If the property is hereby specifically stated by	in writing the agreed or decimed value of the b	shipper's weight, roperty.	ter		†Shipper's imprint in lieu of stamp; not a part of bill of lading approved by the Interstate Commerce Commission.
The agreed of deci	MICO VAILE O	tule property artereoy specifically server by			T	······································	I
		4	Shipper, Per				Agent
Permanent post- address of shipp	office T	25	CT-10-2	19	Per		
		9	•	<u>द</u> ी			

STRAIGHT I	BILL OF LADING-SHORT	FORM ORIGINAL - NO	OT NEGOTIABLE		Shipp	er's No. <u>SG-401</u>
Carrier's Name	2: C_ U.S_ TTUCKI to the classifications and tariffs in effect on the	ag TOSh HA	7ER			er's No.
at Dimoc. the property described throughout this contract or routes, or within of said route to destin Bill of Lading set to Shipper hereby certifier	below. In apparent good order, except as noted (it as meaning any person or corporation in position) of the kernitory of set highway operations, otherwise institutes, and as to each party at any time interest mation, and as to each party at any time interest in the company of the company of the company of the company of the company of the conditions are hereby agreed to by the shapper	Date) 3-28-10 whereas and condition of contents of peckages a deliver to smoker convert on the route to deliver to smoker convert on the route to deliver to smoker convert on the route to deliver to smoker convert on the route to deliver to the smoker convert on the route to deliver to the smoker convert on the route to deliver to the smoker convert on the route deliver to the route to the route to deliver t	FROM SR i unknowni, marked, consigned, grees to carry to its usual pli said destination. It is mutually service to be performed here we rail-water shipment or (2) in those on the back thereof, se	SR/Cabo and destance as sho are of delivery at y agreed, as to esc nder shall be subject the applicable mon t forth in the class	wn below, which said destination, in carner of all to all the termor carner classification or tenff	and company (the word company being understood or any of and property over all or any portion or any of and property over all or any portion or and conditions of the Uniform Domestic Straight unon or tariff if this is a motor carrier shipment, which governs the unasportation of this hipment,
Consigned TC	Sunbury General to Delivery Shipments, the letters COD must appear	ation	street audress for purposes of non	fication only.)		is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the
	Old Trail Rd.	PA	State 17	876	City	The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.
Route	ier	Address Address (*To be filled in only when shipper desires and	State 17	ry thereat.)		(Signature of consignor) C. O. D. Charges to be
•	very \$					Paid by ☐ Shipper ☐ Consignee
	Street		City		State	If charges are to be prepaid, write or stamp here, "To be Prepaid"
No. Packages H.M.	Kind of Package, Description of Arti	cles, Special Marks, and Exceptions	*Weight (Subject to Correction)	Class or Rate	Check Column	
1	load water	· · · · · · · · · · · · · · · · · · ·	5000	gal		Received \$
AFES	51243					Agent or Cushier
API#	37-115-201	50				Per (The signature here acknowledges only the amount prepaid.) Charges Advanced
Truc4#_	105	· .				† "The fibre containers used for this stupmen conform to the specifications set forth in the bo maker's certificate thereon, and all other requirement."
Plate: "If the shipment moves be NOTE — Where the rate i	AF 12215 The second of the security by water, the law requires that is dependent on value, shippers are required to state specifications.	e bill of lading shall state whether it is carner's or shi ly in wining the egreed or declared value of the prope	oper's weight.			of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification. 15hipper's imprant in lieu of stamp, not a pau of bill of leding approved by the Interstat
The agreed or declare	nd value of the propert, is hereby sec. ifically star ?	Shipper, Per		per		Commerce Commission.
Permanent post-off address of shipper,	ice 30 1 1	CT-10-22	•	Per 🏳		
	9000					

ORIGINAL - NOT NEGOTIABLE

Shipper's No. 2249	9
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Carrier's N	Vame	Cannal Trucking to the classifications and tariffs in effect on the date	of the issue of this Bill of lading			Carrie	er's No.
					WR/Cabo	t	
the property de- throughout this or routes, or w of said route to Bill of Lading Shipper hereby and the said to	ecribed contract within to lo destir set for certifies	below, in apparent good order, except as noted (content in something any person or corporation in postastion to territory of its highway operations, otherwise to delination, and as to each party at any time interested in the (11) is the Uniform Freight Classification in effect of that he is familiar with all the terms and conditions deform a conditions are hereby agreed to by the Shipper and	s and condution of contents of pa- of the property under the contra- over to another carrier on the rou- all or any of said property, that on the date hereof, if this is a n the date hereof, if this is a n corputed for himself and his assign	chages unknown), marked, consigned th agrees to carry to its usual te lo said destination. It is many every service to be performed be all or sall-water shipment, or (2) using those on the back thereof, s.	, and destuned as she place of delivery a ally agreed, as to e reunder shall be subji- in the applicable and set forth in the cla-	own below, which raid destination, i ach corrier of all ect to all the term our carrier classifica sufficient or tariff	said company (the word company being understood f on its owe rashroad, water line, highway route or any of said property over all or any portion and conditions of the Unstern Donarsis Straight too or hariff if this is a motor carner shipment, which governs the transportation of this shipment,
Consigned	TO	Johnstown Regi	onal Sewage	fall or street address for purposes of i	ottlication only.)		Subject to Section 7 of conditions, if this shipment is to be delivered to the consigner without recourse on the consignor, the consignor shall sign the following statement:
		241 Asphalt Rd.		•	stown	City	The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges
		County(*	PA Delivery_	State	15906	Zip	
Houte		(*	To be filled in only when shipper desire	es and governing tariffs provide for det	very thereat)		(Signature of consignor.)
Delivering	Carri	er	Ca	ar or Vehicle Initials and	No		C. O. D. Charges to be
Collect on	Deliv	very \$	And Remit to				Paid by □ Shipper □ Consignee
. 		Street		City		State	If charges are to be prepaid, write or stamp here. To be Prepaid."
,es	H.M.	Kind of Package, Description of Articles, S	pecial Marks, and Exceptions	*Weight (Subject to Correction)	Class or Rate	Check Column	
1		load water		4620	gal		Received \$
		#1					described hereon.
AFE#	_ '	51243					Agent or Cashier
							(The signature here acknowledges only the amount prepaid.)
API#		37-115-20150					Charges Advanced
Truck	2	125					The fibre containers used for this shipment
Plate		YXP3/84					conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight
NOTE -Where is	the rate is	tween fwo ports by a carrier by water, the Jaw requires that the bill of dependent on value, shippers are required to state specifically in w	rrising the agreed or declared value of the	or shipper's weight. property.			Classification." 1Shipper's imprint in lieu of stamp, not a part of bill of lading approved by the Interstate
The agreed or o	declared	i value of the property is hereby specifically stated by the	shipper to be not exceeding		per		Commerce Commission.
-5	0/	ALT.	Shipper, Per				Agent
Permanent po address of sh		C8			Per		
				2			

STRAIG	нтв	ILL OF LADING—SHORT FO	ORIGINAL - I	NOT NEGOTIABLE		Shipp	er's No. <u>2250</u>
Carrier's I	lame:	Cannel Trucking				Carrie	er's No.
RECEIVED,	ubject t	o the classifications and tariffs in effect on the date					
at Dim	ock	TWO _ (Date	3-289-10	FROM SI	RWR/Cabo	t	
the property de throughout this or routes, or of sald roune Bill of Lading Shipper hereby and the said to	scribed heontract within the destination set fortioertifies and	(Date clow, in apparent good order, except as noted (content as meaning any person or corporation in possession to terminary of its highway opensions, therefore the desired of the party at any line interested in the set of the person of the	s and condition of contents of packag of the property under the contract) were to another carrier on the mou- all or any of said property, that eval of the said bill of lading, includes complete the minest on the said bill of lading, include and his avuent.	cer unknown), marked, consigne agrees to carry to its usual to said detunation. It is must try service to be performed by or rail-water shipment, or (2) g those on the back thereof.	d, and destined as she place of delivery at unity agreed, as so et creunder shall be subje in the applicable tro- set forth in the class	own below, which said destination, if the carrier of all cit to all the terminon carrier classification or tariff	said company (the word company being understood of on its own railroad, water line, highway route or any of said property over all or any portions and conditions of the Uniform Domestic Statish tion or tainf if this is a motor currer shipment which governs the transportation of this shipment.
Consigned	τO	Johnstown Region	nal Sewage	or arrant address for purposes of	notification Only.)		is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the
		41 Asphalt Rd.	-		hnstown	City	The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.
						Zip	•
		County	Delivery	State		Zip	
Houte		(*	To be filled in only when shipper desires a	nd governing tanifs provide for de	livery thereat.)		(Signature of consignor.)
		or					C. O. D. Charges to be
Collect on	Delive	ery \$	And Remit to				Paid by ☐ Shipper ☐ Consignee
							If charges are to be prepaid, write or stamp here, "To be Prepaid."
No.	T			City_ "Weight (Subject	Ciass	State	samp nete. To be Trepast.
Packages	H.M.	Kind of Package, Description of Articles, S	pecial Marks, and Exceptions	to Correction)	or Rate	Column	
1		load water		4620	gal		
	7	1034 Wates1		1020			Received \$ to appl in prepayment of the charges on the propert described hereon
	_						Agent or Cashier
_AFE	-	51243					Per
APT#		37-115-20150		1			the amount prepaid.) Charges Advanced:
- BE 13-							
Truc	K#	74					† "The fibre containers used for this shipmer conform to the specifications set forth in the bo
DT.at	a.≝	DR	_				maker's certificate thereon, and all other requirement of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight
If the shipment r NOTE — Where t	noves betw ha rate is d	reen two ports by a camer by water, the law requires that the bill o dependent on value, shippers are required to state specifically in w value of the property is hereby specifically stated by the	rating the agreed or declared value of the pro	hipper's weight perty.	per		Classification," †Shapper's imprint in heu of stamp; not a pa of bill of lading approved by the Interstal Commerce Commission.
The agreed or	EC107CG	value of the property is neverly specifically stated by the	supper to be not exceeding		T .		
			Shipper, Per				Ager
Permanent po	st-office		\		Per		
		U		27			

CABOT-EPA 007267

ORIGINAL - NOT NEGOTIABLE

SINAIU	ILI DIL	LOF LADING SHORT FO	ORIGINAL	- NOT NEGOTIABLE		Shipp	er's No. <u>2251</u>
		Cannel Trucking				Carrie	er's No.
		ne classifications and tariffs in effect on the date	•				
at Di	nock	Twp. (Da	te) 3-29-10	FROM_S	RUR/Cab	ot	
the property de throughout this or routes, or of said route Bill of Lading Shipper hereby and the said i	ecribed belo- contract as within the its destination set forth (certifies the	TWD = (Dail www. in apparent good order, except as noted (contementing any person or corporation in potestator enterstory of its highway operations, otherwise to 6 to and as to each party at any time forested in 1 in the Uniform Frighty (Classification as effect to it is familiar with all the terms and conditions are feet to by the Alapper and	nts and condition of contents of pac of the property under the contrac- liver to another carrier on the rou- all or any of said property, that on the date hereof, if this is a r ns of the said bill of lading, incits accepted for himself and his assign	kages unknown), marked, consigned, it agrees to carry to its usual pie to said destination. It is mutual every service to be performed here all or rail-water shipment, or (2) is ding those on the back thereof, as 5.	and destined as she are of delivery at y agreed, as to et inder shall be subje the applicable and it forth in the class	own below, which said desuration, is set carrier of all set to all the term stor carrier classification or tariff	and company (the word company being understood f on his own railroad, water line, highway route or any of said property over all or any portion is and conditions of the Uniform Domestic Straight tition or tariff if this is a motor carrier shipment, which governs the transportation of this shipment,
		Johnstown Reciona Delivery Shipments, the letters "COD" must appear before	(N	iali or street address for purposes of no	ification only.)		Subject to Section 7 of conditions, if this shipment is to be delivered to the consigner without recourse on the consigner, the consigner shall sign the following statement.
					.		The carner shall not make delivery of this shipmens without payment of freight and all other
		1 Asphalt Rd.					lawful charges.
		County	Delivery ,	State 15.	905	Zip	
Route		County	Address Address Address Address A	s and governing tariffs provide for delive	ry thereat.)		(Signature of consignor.)
							C. O. D. Charges to be
Collect on Delivery \$ And Remit to						Paid by ☐ Shipper ☐ Consignee	
StreetCity					•	State	If charges are to be prepaid, write or starmp here. "To be Prepaid."
.388	нм.	Kind of Package, Description of Articles,	Special Marks, and Exceptions	*Weight (Subject to Correction)	Class or Rate	Check Column	
1		load water		4620	gal		
		#1	· · · · · · · · · · · · · · · · · · ·				Received \$
AFE#		51243	· · · · · · · · · · · · · · · · · · ·				Agent or Cashier
					1	-	Per (The signature here acknowledges only the amount prepaid.)
API#	1	<u>37-115-20150</u>	<u> </u>			_	Charges Advanced.
Truc	ilc#	0.1					† 'The fibre containers used for this shipmer
Plat	e#	AE350	10 y				conform to the specifications set forth in the bo maker's certificate thereon, and all other requirement of Rule 41 of the Uniform Freight Chasificatio and Rule 5 of the National Motor Freigh
		n two ports by a carrier by water, the law requires that the bil endent on value shippers are required to state specifically in lise of the property if hereby specifically stated by the		ar shipper's weight property	per		Classification." †Shipper's imprint in lieu of slamp; not a part of bill of inding approved by the Interstatic Commerce Commission.
		WIT	_ Shipper, Per			,	Agen
Permanent p		A			Per		·
	· 			<i></i>			

ORIGINAL - NOT NEGOTIABLE

			ONGMAL -	NOT NEGOTIABLE		Shipp	er's No
Carrier's N	ame:	Barron Trucking				Carrie	er's No.
•	•	e classifications and tariffs in effect on the					_
at_Dimo	ock_	Two.	(Date) 3-29-10	FROM_s	RWR/CAbo	ot.	
the property dest throughout this or or routes, or w of said route to Bill of Lading Shipper hereby of and the said ter	cribed below contract as within the to destination set forth to certifies that the and comments and comments.	k. in apparent good order, except as noted meaning any person or corporation in pos- ertitory of its highway operations, otherwise, , and as to each party at any time interest 1) in the Uniform Freight Classification in et in he is familiar with all the terms and ord in he is familiar with all the terms and ord orditions are hereby greed to by the shipper	contents and condution of contents of packs easien of the property under the contract; to deliver to another carner on the route of the property, that is a rail officer on the date bereof, if this is a rail notations of the said bill of lading, includ- and accepted for lemself and his ussigns.	ges unknown), marked, consigned, agrees to carry to its usual p to said destination. It is mutual ery service to be performed here or mil-water shipment, or (21 ing those on the back thereof, s	and destined as show face of delivery at a lity agreed, as to each under shall be subject in the applicable moto- et forth in the classi-	n below, which the destination, in carner of all to all the term or carrier classification or tariff	said company (the word company being understood for its own ristroad, water line, highway rouse or any of said groppeny over all or say portion and conditions of the Uniform Domettic Seraphi tion or tain! if this as a motor currer shapment, which governs the unapportation of this Shipment.
Consigned	TO	Johantown Reg.	ional Sawage	or street address for purposes of no	tification only.)		Subject to Section 7 of conditions, if this shipment is to be delivered to the consigner without secourse on the consignor, the consignor shall sign the following statement:
		1 AsphatlRd.	•		town	City	The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.
		County	PA Delivery	State	15906	Zip	
Route			(±To be filled in only when shipper desires a	and governing tariffs provide for delive	ery thereat)		(Signature of consignor.)
Delivering Carrier Car or Vehicle Initials and No Collect on Delivery \$ And Remit to							C. O. D. Charges to be Paid by Shipper Consignee
		Street		City		State	If charges are to be prepaid, write or stamp here. To be Prepaid "
No. Packages	нм		icles, Special Marks, and Exceptions	*Weight (Subject to Correction)	Class or Rate	Check Column	
1		load water		4620			Received S to apply in prepayment of the charges on the property described bereon.
AFE#		51243					Agest or Cashver
API#	2 102	37-115-201	50				(The appaure here acknowledges only the amount prepaid) Charges Advanced
Truck	J# 1	BIGEBUS	<u></u>				The fibre containers used for this shipment
Plate		AF 73 454 PA	1XFJ-9965				conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight
NO 12 - WIEIE III	e rake is cepe	two parts by a carrier by water, the law requires that to ident an value, shippers are required to state specific te of the peoperty is hereby specifically stated	my in writing the agreed of decimed value of the bi-	hipper's weight. openy.	per		Classification." †Shupper's imprint in lieu of stamp, not a pan of bill of lading approved by the intenstate Commerce Commission.
		rend 1	Shipper, Per				Agent
Permanent pos address of ship	st-office				Per		

CABOT-EPA 007269

STRAIGHT BILL OF LADING—SHORT FORM ORIGINAL - NOT NEGOTIABLE Shipper's No. 2253 Carrier's Name: Carrier's No. Barron Trucking RECEIVED, subject to the classifications and tariffs in effect on the date of the Issue of this Bill of lading, at DIMORKT WD. (Date) 3-29-10 FROM SRUR/Cabot the property described below, in apparent good order, except as noted (contents and conditions of contents of peckages unknown), marked, consepted, and destinated as shown below, which said company the word company being und throughout that contract as meaning any person or corporation in passession of the property under the continuous agrees to carry to its usual place of deliveray at said destination, if on its own railroad, water line, highway of said founders carrier to each currier of all or any of said property over all or any of said destination, it is mutually agreed, as to each currier of all or any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic. If the property is all to each party is any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic. If the property is a major carrier is a rail or rail-water shipperman, or (2) to the applicable major conditions of the Uniform Domestic. If the property being the property carriers that he is framework to the contract of the property carriers that he is framework to the contract of the property carriers that he is framework to the contract of the property carriers that he is framework to the contract of the property carriers that he is the contract of the property carriers that he is the contract of the property carriers that he is the property carriers that he is the subject to all the terms and conditions are facely agreed to by the shipper and eccepted for himself and he estimated. Consigned TO Johnstown Regional Sewage On Collection Delivery Shipments, the letters COD' must appear before consigner's name or as oft 241 Asphalt Rd. Johnstown City Street_ PA State 159 (Delivery Address* (*To be filled in only when shipper desires and governing tariffs provide for delivery thereal.) 15906 Zip (Signature of consignor.) C. O. D. Charges to be Delivering Carrier. Car or Vehicle Initials and No. □ Shipper Collect on Delivery \$. _And Remit to _ If charges are to be prepaid, write or stamp here. "To be Prepaid." State City Street Weight (Subject to Correction) Check Column y∎ H.M. Kind of Package, Description of Articles, Special Marks, and Exceptions gal load water 4620 in prepayment of the charges on the prodescribed hereon. Agent or Cashier AFE# 51243 Par (The signature here acknowledges only the amount prepaid) API# 37-115-20150 of the property is hereby specifically stated by the shipper to be not exceeding Shipper, Per . Agent Permanent post-office address of shipper,

ORIGINAL - NOT NEGOTIABLE

Shippers No.	SG-402	

			er Trucki	ng the date of the issue of this Bill of lading.			Carrie	er's No.
					EDOM (anum (a-	h - 4	
at D the property d throughout this or routes, or of said soute Bill of Lading Shipper hereby and the said	escribed sontra- within to desc set for certified	below, in apparent as meaning an the territory of its mailton, and as to orth (1) in the Uris that he is fair and conditions are	y person or corporation is s highway operations, other inform Freight Classification fillar with all the terms a bereby agreed to by the	oled (contents and coording of contents of pockages of possession of the property under the contract) a way to deliver to another center on the route in necresce in all of any of said property, that errey of the contract of the said by the contract of the said by the contract of the said by the contract of the said bill of leding, including hipper and accepted for himself and his assigns.	unknown), marked, consigned, grees to carry to its usual g said destination. It is murma service to be performed here rail-water shymment, or (2) it hose on the back thereof, a	and destined as shalace of delivery at the subject of subject of the subject of t	ewn below, which said destination, is ach carrier of all set to all the term of carrier classification or tanff	taid company (the word company being understood on easy of sainteed, water line, highway outer or say of said expecty over all or say portion s, and condutions of the Uniform Domestic Straight boon or starff if this it a motor courier shipment, which governs the transportation of this thipment,
Consigner	(Mail or stree! address for purposes of notification only.) Consigned TO Sunbuttry Generation On Collect on Delivery Shipments, the letters "COD" must appear before consigner's name or as otherwise provided in item 430. Sec. 1.							is to be delivered to the consigner without recourse on the consignor, the consignor shall sign the following statement:
			-	Street		kin Dam	City	The carner shall not make delivery of this shipment without payment of freight and all other lawful charges.
			County	PA Polition	State	178		
Route				Address (*To be filled in any when shipper desires and	governing tariffs provide for deliv	ery thereal.)		(Signature of consignor.)
-				Car or			- · <u>· · · · · · · · · · · · · · · · · ·</u>	C. O. D. Charges to be Paid by Shipper Consignee
Collection	i Deir	very \$		And Refut to			State	If charges are to be prepaid, write or stamp here, "To be Prepaid."
No. Packages	н м.			n of Articles, Special Marks, and Exceptions	*Weight (Subject to Correction)	Class or Rate	Check Column	
1			load wate	er	5000	gal		Received S to apply
				<u> </u>				in prepayment of the charges on the property described hereon.
AFE#			51243					Agent or Cashier
API#			37-115-20	0150				(The signature here acknowledges only the amount prepaid.) Charges Advanced
Truc	k#	#103	white					\$
Plat	e#	4468	1895					-conform to the specifications set forth in the bo- maker's certificate thereon, and all other requirement of Rule 41 of the Uniform Freight Classificatio and Rule 5 of the National Motor Preigh Classification."
NOTE -Where	the rate	is dependent on value	a shippers are required to state s	is that the bill of lading shall state whether it is carrier's or ship pecifically in writing the agreed or declared value of the prope stated by the shipper to be not exceeding	per's weight. ny	рет		thisper's import in lieu of stamp; not a part of bill of lading approved by the Interstat Commerce Commission.
				Shipper, Per				Agen
Permanent p	post-off hipper,	lice				Per		
	ت	13						

	Carbon, and retained by the	y Agent.		:	Shipp	per's No. <u>333-455</u>
Carrier's Name:	. Diggs state Dagger to the	J HASK			Carrie	er's No.
	o the classifications and tantis in effect on the date of the issu)
t property described b	clow. in apparent good order, except as noted (contents and conc	hiton of contents of packages un	FROM	nd destined as she	wn below, which	said company (the word company being understoo
roughout this contract: routes, or within the said route to destina ill of Lading set forth hipper hereby certifies id the said terms and	clow. In apparent good order, except as noted (contents and concas meaning any person or corporation in possession of the pretrictory of its highway operations, otherwise to deliver to an dion, and as to each party at any time interested in all or any [11] in the Uniform French Castification in effect on the date that he is familiar with all the terms and conditions of the concluding are hereby special to by the hipper and accepted to	operty under the contract! agrees to ther carrier on the rouse to sa of said property, that every se e hereof, if this is a rall or re is hereof, if this is a rall or re is himself and his assigns.	to carry to its usual plat id destination. It is mutually rvice to be performed hereun il-water shipment, or (2) in se on the back thereof, set	re of detivery ar agreed, as to ea- ider shall be subject the applicable more forth in the class	said destination, i ch carrier of all ct to all the term or carrier classifies salication or tariff	or any of sand property over all or any portions to any of sand property over all or any portions and conditions of the Uniform Donnezic Straig ation or tariff if thus is a motor carrier shipmen which governs the transportation of this shipmen
		(Mail or stre	et address for purposes of notif	ication only.)		Subject to Section 7 of conditions, if this shipme
	on Delivery Shipments, the letters "COD" must appear before consignee's					on the consignor, the consignor shall sign to following statement. The carner shall not make delivery of its shipment without payment of freight and all of
					City	lawful charges.
	County	Delivery ★ Address ★	State	1 (1 (1)	Zip	
oute	(★To be filled l	in only when shipper desires and go	erning tariffs provide for deliver	y thereat)		(Signature of consignor.)
elivering Carrie	r	Car or Ve	chicle Initials and No),		C. O. D. Charges to be Paid by
ollect on Delive	ery \$	And Remit to				☐ Shipper ☐ Consignee
	Street		Citv		State	If charges are to be prepaid, write stamp here, "To be Prepaid."
28 H.M.	Kind of Package, Description of Articles, Special Mark	s, and Exceptions	*Weight (Subject to Correction)	Class or Rate	Check Column	
						,
			5 : - i	287		Received \$
	<u>- '</u> (
·=·= /	325 5					Agent or Cashier
	377.3			1		Per (The signature here acknowledges only the amount prepaid.)
	87-115-00150		;	<u> </u>		Charges Advanced.
	100		}			s
			 	 		t "The fibre containers used for this shipm conform to the specifications set forth in the maker's ceruficate thereon, and all other requirement
	HF72215					of Rule 4) of the Uniform Freight Classification and Rule 5 of the National Motor Frei
OTE —Where the rate is o	reen two ports by a currier by water, the law requires that the bill of lading shale ependent on value, shippers are required to state specifically in writing the ag- value of the property is hereby specifically stated by the shipper to	reed or declared value of the property.	s weight	per		tShipper's imprint in lieu of stamp, not a of bill of lading approved by the inters Commerce Commerciant.
agreed of decrared	1 1 1 1 1 1 5			T	RF.	
	Shippe	er, Per		-	this Shippir	must detach and retain ng Order and must sign
ermanent post-office ddress of shipper,	3		· · · · · · · · · · · · · · · · · · ·	Dr	the Original	I.Bill of Lading.
			`	•	,	* * * * * *

THIS SHIPPIT	RDER must be legibly filled in, in Ink, in In Carbon, and retained by	ndelible Pencll, or in the Agent.			Shipp	er's No. <u>2004</u>
Carrier's Name:	to the set was a series.				Carrie	r's No.
RECEIVED, subject to the ci	assifications and tariffs in effect on the date of the	issue of this Bill of lading,				.:
at	(Date) 👶	<u>-03-10</u>	_FROM	<u> </u>	<u> </u>	· · · · · · · · · · · · · · · · · · ·
he property described below, in broughout this contract as the or routes, or within the territor of said route to destination, or stripper betty certifies that he and the said terms and condition thing the said terms and condition	Date) Apparent good order, except as noted (contents and aning any person or corporation in possession of the party of its highway operations, otherwise to deliver to did as to cach party at any time interested in all or in the Umform Freight Classification in effect on the is familiar with all the terms and conditions of the one are hereby agreed to by the shipper and accepted	condition of contents of packages or property under the contract) agree snother carrier on the route to a any of said property, that every a date hereof, if this is a rul or to be said bill of lading, including the for humself and his assigns.	nknown), marked, consigned, at 23 to carry to its usual plat and destination. It is munually ervice to be performed hereun rail-water chipment, or (2) in once on the back thereof, set	nd destined as shi te of delivery at agreed, as to er der shall be subje- the applicable mo- forth in the class	own below, which said destination, if such carrier of all sich to all the terms for carrier classificates; fication or tenff	and company (the word company being understood on its own railroad, water line, highway rout- or any of and property over all or any portion s and conditions of the Uniform Domesure Straigh- tion or tanff if this is a motor earrier shipment which governs the transportation of this shipment
	ery Shipments, the letters "COD" must appear before consign			cation only.)		is to be delivered to the consignee without recourse
	ery Shipments, the letters "COD" must appear before consign		tem 430, Sec. 1. ちきて立	isič	Oir.	on the consignor the consignor small sign in following statement: The carner shall not make delivery of this shipment without payment of freight and all othe lawful charges
	County	22	State		City	navial Confes
Route		Address				
		lad in only when shipper desires and go				(Signature of consignor,)
		Car or V				C. O. D. Charges to be Paid by
Collect on Delivery \$		And Remit to				☐ Shipper ☐ Consignee
•	Street		City		State	If charges are to be prepaid, write o stamp here, "To be Prepaid."
No. Packages H.M.	Kind of Package, Description of Articles, Special I	farks, and Exceptions	"Weight (Subject to Correction)	Class or Rate	Check Column	
5) nen we tte		4799	Jal		Received 5 to appling prepayment of the charges on the propert
						described hereon.
						Agent or Cashier
		· · · · · · · · · · · · · · · · · · ·				Per (The signature here acknowledges only the amount prepaid.)
	<u> </u>	··				Charges Advanced:
	A.C.		1	1		
	AF21303					1 "The fibre containers used for this shipme conform to the specifications set forth in the b maker's certificate thereon, and all other requirement of Role 41 of the Uniform Freight Classificati and Rule 5 of the National Motor Preig
	o ports by a certier by water, the law requires that the bill of lading int on value, shippers are required to state specifically in writing the of the property is hereby specifically stated by the shipper		's weight.	per		Classification." †Shipper's imprint in lieu of stamp, not a pi of bill of lading approved by the Intersu Commerce Commission.
Permanent post-office		oper, Per			this Shipping	must detach and retain g Order and must sign Bill of Lading.

ORIGINAL - NOT NEGOTIABLE

	PSC Environmethal classifications and tariffs in effect on the date of the issue of this Bill of	India a		Carrie	er's No.	
			R?Cabot	own below, which	said company (the word company being understood	
throughout this contract as a or routes, or within the ter of said route to destination. Bill of Lading set forth (1) Shipper hereby certifies that and the said terms and cond-	TWD • (Date) 3-29-10 In apparent good order, except as noted (contents and condition of contents meaning any person or exponention in possession of the property under thorough of as highway operations, otherwise to deliver to another current on and as to each party at any time interested in all or any of said property in the Uniform Freight Classification is effect on the dose hereof, if the in the Uniform Freight Classification is effect on the dose hereof, if the little of the Content of the C	contract) agrees to carry to its usual p the rouse to said destination. It is mutual ty, that every service to be performed here is a rail or milt-water shipment, or (2) in ag. including those on the back thereof, a is assigns.	lace of delivery at ly agreed, as to er under atrall be subje in the applicable mo er forth in the class	said destination, it ach carrier of all act to all the terms for earner classification softenation or tariff	I on its own railroad, water line, highway route or any of said property over all or any portion s and coaditions of the Uniform Domestic Straight tiles or tariff if this is a motor carrier absymment, which governs the transportation of this shipment,	
Consigned TO	PSC Environmental (Ivery Shipments, the letters "COD" must appear before consigned's name or as other	(Mail or street address for purposes of no	tification only)		Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignee without recourse on the consigner shall say ne following statement. The carrier shall not make delivery of this	
Destination 277	3 N. Penn Rá. Street	<u> </u>			shipmen without payment of freight and all other lawful charges.	
Route	County Daily Addr (*To be filled in only when shipp	ery State	19440	Zip	(Signature of consumer.)	
	(X TO DE INICALITY MANUS MAP)				C. O. D. Charges to be	
Collect on Delivery	\$ And Rer	nit to			Shipper Consignee	
, H.M.	Street	"Welcht (Subject	Class or Rate	State Check Column	stamp here. "To be Prepaid."	
	loof untor	5000	gra 1			
	load water	5229	gal	-	Received S to apply in prepayment of the charges on the property described hereon.	
AFE#	51243				Agent or Cashier	
API#	37-115-20150				Per (The signature here acknowledges only the amount prepaid) Charges Advanced:	
Truck#	335-1230					
Plata# 6	DVG-9971 (OH)				† "The fibre containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Chartification and Rule 5 of the National Motor Freight	
*If the shipment moves between t NOTE —Where the rate is depen	wo ports by a carner by water, the law requires that the bill of fiding shall state whether it is dent on value, shippers are required to tate specifically in writing the agreed or declared to e of the property is hereby specifically stated by the shipper to be not exceeding	due of the property	ner	<u> </u>	Classification." Thisper's improve in lieu of stancy: not a purfol bill of lading approved by the interstate Commerce Commercial.	
	Shipper, Per			15	Agent	
Permanent post-office address of shipper.			Per	3-29	-10	

CABOT-EPA 007274

Shipper's No. PSC414

		BILL OF LADING—SHORT FORM	RIGINAL - NOT NEGOTIABLE	t.a		per's No. PSC415			
Carrier's N	Name:	SRWRXENBEK	23696	8 -10	Cerri	er's No.			
ECEIVED, s	subject t	o the classifications and tariffs in effect on the date of the issue of this Bli							
t Di	moc	k Twp. (Date) 3-29-10	FROM	RWR/Cal	oot				
se property de troughout this troutes, or to f said route to ifl of Lading hipper hereby and the said to	rontract vottin th to destina set fort certifies erms and	below, is apparent good order, except as noted (contents and condution of con as meaning any person or corporation in possession of the property under the territory of its highway operations, otherwise to defluve to another carrier amon, and as to each party at any time basered in all or any of said or the control of the party of the property of the control of the said of the conditions are bereby agreed to by the shapper and accepted for himself and	ents of packages unknown), marked, consigned, the contract) agrees to carry to its usual plon the route to said destination. It is mutuall openy, that every service to be performed heret his is a rail or rail-water shipment, or (2) its lading, including those on the back thereof, see his assign.	and destined as show ace of delivery at a y agreed, as to each inder shall be subject the applicable moto t forth in the class	on below, which said destination, the carrier of all to all the term or carrier classification or teriff	and company (the word company being understoot if on its own railboad, water line, highway rous or any of said property over all or any portions and candidous of the Uniform Domestic Straight is and candidous of the Uniform Domestic Straight also not tailf if this is a motor carrier shapmen which governs the transportation of this shapmen			
		PSC Environmetnal	(Mail or street address for purposes of not	fication only)		is to be delivered to the consignee without recours on the consignor, the consigner shall sign th			
_ 0	n Collect	on Delivery Shipments, the letters "COD" must appear before consignee's name or as o				following statement: The carrier shall not make delivery of the shipment without payment of freight and all other			
estination)	n <u>_2</u>	773 N. Pann Rd. Street			City	lawful charges.			
		County PA	liveryState	19440	Zip				
loute		(±To be filled in only when a	upper desires and governing tariffs provide for delive	ry thereat.)		(Signature of consignor.)			
elivering	Carrie	y V 3	Car or Vehicle Initials and N	o		C. O. D. Charges to be			
ofiect on	Delive	Paid by ☐ Shipper ☐ Consignee							
		Street	Citv		State	If charges are to be prepaid, write a stamp here, "To be Prepaid."			
No. Packages	H.M.	Kind of Package, Description of Articles, Special Marks, and Excepti	ons "Weight (Subject to Correction)	Class or Rate	Check Column				
1		load water	5000	cal					
		#1				Received \$to app in prepayment of the charges on the proper described hereon.			
				 		Agent or Cashier			
\FE#		51243				Per (The signature here acknowledges only			
PI#		37-115-20150		}		the amount prepaid.) Charges Advanced:			
						1			
ruck	#	011/729				t The fibre containers used for this shipment			
late		AT 2011A				conform to the specifications set forth in the b maker's ceruficate thereon, and all other requirement of Rule 41 of the Uniform Freight Classificate and Rule 5 of the National Motor Freight Classification."			
OTE -Where t	the rate is o	reen two ports by a carner by water, the law requires that the bill of lading shall state whether dependent on value, shippers are required to state specifically in writing the agreed or declare value of the property is hereby specifically stated by the shipper to be not excee	I value of the property.	per		tShipper's imprint in lieu of stamp; not a p of bill of lading approved by the Intersti Commerce Commission.			
		Shipper, Per				Age			
ermanent po	ost-offic	4 11 97		Per					
ddress of sh				1.01					

STRAIG	нтв	ILL OF L	ADING-SHORT FOR	M ORIGINAL	- NOT NEGOTIA	BLE		Shipp	ers No. PSC48#18
0		Dan	Environmental	115	Envilo -	Truck E	Der		15 Boiff 110 740 or's No. P>C 23420-10
			tions and tariffs in effect on the date of			HAND BAL	150	Carrie	er's No. 120 13410-10
						OM_SE	WR/Cabo	ot	
the property de throughout this or routes, or to of said route to Bill of Lading Shipper hereby and the said to	ecribed be contract within the destinates set forth certifies erms and	clow, the apparer as meaning an is territory of a toon, and as to is (1) in the U that he is fare conditions are	in good order, except as notico (consents of pay person or corporation in possession of s highway operations, otherwise to deliver each party at any time interested in all afform Freight Classification as effect on their with all the terms and conditions of their paying and accept the paying accept the paying and accept the paying accep	nd consulors of contents of pa the property under the contri- to another carner on the ro or any of said property, that the date hereof, if this is a f the said bill of lading, inc- pted for humself and his assig	octages unknown), milet) agrees to carry use to said destinate every service to be rail or rail-water shilleding those on the ms.	arked, consigned, to its usual pit on. It is mutuall preformed hereu ipment, or (2) in back thereof. se	and destined as show ice of delivery at y agreed, as to eac order shall be subject the applicable mote t forth in the class	wa below, which said destination, is a carner of all to all the term or carrier classification or tariff	and company (the word company being understood f on its own rathroad, water line, highway fouts or any of said property ower all or any portion as and conduitons of the Uniform Domesaic Straight done or tan'll if this is a motor earlier hipment which governs the transportation of this thipment.
				,	MAN OF PERSONS WITH THE SAME	rar barbases as unsi	fication only.)		Subject to Section 7 of conditions, if this shipment is to be delivered to the consignor without recourse on the consignor, the consignor shall sign the following statement.
Consigned TO PSC Environmetnal On Collect on Delivery Shymmeris, the latters "COD" must appear before consigned's name or as otherwise provided in Rem 430, Sec. 1. Destination 2773 N. Penn Rd. Street Hatfield					Citv	The earrier shall not make delivery of this shipment without payment of freight and all other lawful charges.			
			County			1	9440	Zip	
Route			(★ To						(Signature of consignor)
			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,						C. O. D. Charges to be
3	Collect on Delivery \$ And Remit to						Paid by		
			Street			Citv		State	If charges are to be prepaid, write or stamp here. "To be Prepaid"
,25	H.M.		Kind of Package, Description of Articles, Spec	ial Marks, and Exceptions	- W	(eight (Subject Correction)	Class or Rate	Check Column	
			, ,			<u> </u>			
			load water			:000	calx		Received \$ to apply in prepayment of the charges on the property described hereon.
AFE#			51243						Agent or Cashier
API#			37-115-20150						Per (The signature here acknowledges only the amount prepaid.) Charges Advanced:
Truc	k#	Trozz							\$
PLat			55386						conform to the specifications set forth in the bo- maker's certificate thereon, and all other requirement of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification.
NOTE —Where	the rate 15	dependent on valu	s carrier by water, the law requires that the bill of la c, shippers are required to state specifically in writi operty is hereby specifically stated by the shi	ng the agreed or declared value of th	or shipper's weight.		per		†Shipper's imprior in heu of mamp; not a par of bill of lading approved by the laterstate Commerce Commission.
			s	hipper, Per					Agen
Permanent p address of sl		e				, , , , , , , , , , , , , , , , , , ,	Per M	but it	ul
					$\{]$			-	

STRAIGI	нт ві	LL OF LADING—SHORT FOR	M orio	GINAL - 1	NOT NEGOTIABLE		Shipp Vs i	Shipper's No. PSC419 Vi Ait 115553	
		PSC Environm.ental	Trimy	U'S	Environnental		Carrie	ers No. PXC 232402-10	
	,	(Date) low. In Exparem good order, except as need contents as meaning any person or corporation in possession of territory of its highway operation, otherwise to deliver on, and as to each party at any time interested in all (1) in the Uniform Preight Classification on effect on but he is familiar with all the terms and conductors occuditions are hereby agreed to by the shapper and acce		•	FROM SRY. sures inchrownh manked consigned. sures to carry to its usual pla sures to carry to its usual pla sures to carry to its usual pla sures to carry to its usual pla sures to carry to its usual pla sures to carry to its usual pla sures to carry to its usual pla sures to carry to its usual pla sures to carry to its usual pla sures to carry to its usual pla sures to carry to its usual pla sures to carry to its usual pla sures to carry to its usual pla sures to carry to its usual pla sures to carry to its usual pla sures to carry to its usual pla sures to carry to its usual pla sures to carry to its usual pla sures to carry to its sures to carry to carry to its sures to carry to carry to its sures to carry to carry to its sures to carry to carry to carry to its sures to carry to car	IP / Cabo and destined as altace of delivery at y agreed, as to e addressalt be subju- the applicable ma is forth in the cla	town below, which said destination, is ach carner of all ect to all the term offer carrier classification or lariff	and company the word company being indensiond on its own milroad, writer line bighway route and conditions of the Uniform Domestic Straight ion or cariff if this is a motor carrier shipment which governs the transportation of this shipment.	
Consigned	TO_	PSc Environmental	<u>[</u>		· ·	fication only.)		Subject to Section 7 of conditions, if this shipment is to be delivered to the consigner without recourse on the consignor, the consignor shall sign the following statement	
_ O ₁	Collect or	n Delivery Shipments, the letters "COD" must appear before cor	signee's name or as otherStreet	· -	EI ~ + ·	field	City	The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges	
Route		County	PA		State194		Zip		
		(★Tot	e filled in only when shipp	er desires &	nd governing tariffs provide for deliver	y thereat)		(Signature of consignor.)	
Delivering Carrier Car or Vehicle Initials and No Collect on Delivery \$ And Remit to								C. O. D. Charges to be Paid by ☐ Shipper ☐ Consignee	
StreetCityStat							State	If charges are to be prepaid, write " samp here, "To be Prepaid."	
No. Packages	н.м.	Kind of Package, Description of Articles, Spec	lai Marks, and Exceptions		"Weight (Subject to Correction)	Class or Rate	Check Column		
1		load water			6300 5000	gal		Received \$to apply	
1		#1						in pregoment of the charges on the property described hereon.	
AFE#		51243						Agent or Cashier	
APT#		37-115-20150				<u> </u>		The signature here neknowledges only the amount prepaid.) Charges Advanced	
Truck	#	1/622						† "The fibre containers used for this shupment	
Plate	ź	AF55386						conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification."	
		on two ports by a carrier by water, the law requires that the bill of la pendent on value, shippers are required to state specifically in writi- alue of the property is hereby specifically stated by the shi			ripper's weight. perty.	per		tShapper's impried in flew of stamp; not a part of bill of lading approved by the Interstate Commerce Commission	
							al la	Agen	
Permanent po address of shi	st-office pper,					Per /2	hito,	14/	
				Į.	1				

DIM0228510

DIM0227454

ORIGINAL - NOT NEGOTIABLE

Shipper's No. PSC4 20

Carrier's						Carrie	er's No.
		to the classifications and tariffs in effect on the date of the					
at Din	OC!	below as appurent good order, except as socied (contents and to meaning any person or corporation in posterion of the ierritory of its highway operations, otherwise to deliver to nation, sed as to each party at any time interested in all or hatton, sed as to each party at any time interested in all or hatton. He hatton for person to the content of the hatton for person to the content of the hatton for the person to the content of the hatton for the person to the conditions are bereby agreed to by the shipper and acceptes	3-30-10	FROM SRV	VR/Cabo	en below which	and company the word company heine understood
throughout this or routes, or	within	t as meaning any person or corporation in possession of the terrutory of its highway operations, otherwise to deliver to	property under the contract) of another carrier on the route in	terees to carry to its usual plos asid desunation. It is mutually	lace of delivery at ly agreed, as to ea	anid destination, if	f on its own railroad, water line, highway route or any of said propeny over all or any portion
Bill of Lading Shupper hereby	set fo	rth (1) m the Uniform Freight Classification in effect on the that he is familiar with all the terms and conditions of the	date hereof if this is a rail of	or rail-water shipment, or (2) in those on the back thereof, se	the applicable mot et forth in the clas	or carrier classifica sification or tariff	tion or tariff if this is a motor corner shipment, which governs the transportation of this shipment,
			(Mail o	r street address for purposes of no	tification only.)		Subject to Section 7 of concluons, if this shipment is to be delivered to the consigner without recourse
Consigne	d TC	PSC Environmental an Delivery Shipments, the letters "COD" must appear before consta		tis tem 420 Sec. 1			on the consignor, the consignor shall sign the following statement:
		2773 N. Penn Rd.			fxield	Citv	The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.
Destination		County	PA	State	198440	Zip	•
Boute			Delivery.			zıp	
		(★To be fi	fled in only when shipper desires an				(Signature of consignor.)
Delivering	g Carri	er_ - \CB	Caro	r Vehicle Initials and N	0		C. O. D. Charges to be
Collect or	n Deliv	very \$	And Remit to				☐ Shipper ☐ Consignee
Chrost		Street	. City		State	if charges are to be prepaid, write or stamp here, "To be Prepaid."	
	H.M.	Kind of Package, Description of Articles, Special	Marks, and Exceptions	*Weight (Subject to Correction)	Class or Rate	Check Column	
- <u>-</u>	┼			10 OSTICALO Y	57.14.0		
1	1	load water		5000	gal		Received \$ to apply
					3		in prepayment of the charges on the property described hereon.
	↓	#1				· · · · · · · · · · · · · · · · · · ·	
577 Li	1	51243					Agent or Cashier
<u> </u>	 	51243			 		Per
PI#	}	37-115-20150					the amount prepaid.) Charges Advanced:
=					7		
uck#	<u> </u>	011/729					† "The fibre containers used for this shipment
	1	- 4:			1		conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification
ate#	moves be	tween two ports by a carner by water, the law requires that the bill of lading	shall state whether it is carrier's or shi	pper's weight.			and Rule 5 of the National Motor Freight Classification."
NOTE Where	the rate i	s dependent on value, shippers are required to state specifically in writing d I value of the property is hereby specifically stated by the shippe	re agreed or declared value of the prop	city.	ber		tShipper's imprint m hee of stamp; not a pan of bill of lading approved by the Interstate Commerce Commission
		,			T		<u> </u>
		Shi _l	oper, Per		<u> </u>	****	Agen
Permanent		· Pun	3/30	×/(c	1_		
address of s	hipper,	7 0 10 17		/	Per		·
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STRAIGHT BIL	L OF LADING-SHORT FORM	ORIGINAL -N	OT NEGOTIABLE		Shipp	er's No. <u>2327</u>
	Cannel Trucking	District Control			Carrie	r's No.
	TWD . (Date) Troy D .	<u>.</u> .	FROM Simulations of the state o	RVR/Catand as all according to the applicable man for the applicable me forth in the classics.	hown below, which it said destination, is said destination, each carrier of all sect to all the terms of the control of the co	said company (the word company being understood f on its own natiroad, water line, highway routs or any of said property over all or any portion tion or country of this is, a motor carrier shipment, which governs the transportation of this shipment,
	Johnstown Regional S elivery Shipments, the letters "COD" must appear before coralign	(Mai c	r street address for purposes of not	fication only)		Subject to Section 7 of conditions, if this ship- ment is to be delivered to the consignee without recourse on the consignor, the consignor shall
Destination	241 Asphalt Rd.	Street PA	JohnsState1	sign the following statement: The carrier shall not make delivery of this shipment without payment of freight and all other lewful changes		
Route	(*To be fil)	Address A	d governing tariffs provide for delive	ry therest.)		(Signature of consignor.)
Delivering Carrier	\$	Car o	r Vehicle Initials and N			C. O. D. Charges to be Paid by Shipper ☐ Consignee
Street			City		State	If charges are to be prepaid, write stamp here, "To be Prepaid,"
No. Packages H.M.	Kind of Package, Description of Articles, Special N	tarks, and Exceptions	*Weight (Subject to Correction)	Class or Rate	Check Column	
_1	load water		4620	gal		Received 5 to apply in prepayment of the charges on the property described hereon.
AREA	51242					Agent or Cashier
API	37-115-201850					Per (The signature here acknowledges only the amount prepaid.) Charges Advanced:
-	the ports by a carrier by water, the law requires that the bill of lading notion on value, shippers are required to state specifically in writing the of the property is hereby appetitically gladest by shabshapper	shall state whether it is carrier's or shi e agreed or declared value of the propi	ipper) weight.	per		1 "The fibre containers used for this shipment conform to the specifications set forth in the boa maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification." 'Shopper's maprint in lieu of stamp; not a part of bail of lading approved by the Interstate Commerce
	0 (1)	pper, Per				Agent
Permanent post-office address of shipper,				Per		
	•	c	í :			

.. DILL OF LADING- SHORT FORM ORIGINAL - NOT NEGOTIABLE Shipper's No. ___2328_ Carrier's Name: Cannel Trucking Carrier's No. RECEIVED, subject to the classifications and tariffs in effect on the date of the Issue of this Bill of lading, at DIROCK D'WD. (Date) 4-14-10 FROM SRIFF/Cabot the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as shown below, which said company (the word company being understorbroughbut this contact as meaning any person or corporance in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own realroad, water into highway or routes, or within the territory of its larghway operations, otherwise to deliver to another carrier on the route to said destination, and as to each party at any time interested in all or say of said property, that every service to be performed hereunder shall be subject to all the terrins and conditions of the Uniform entire things the property of the said of the contract of the said property that every service to be performed hereunder shall be subject to all the terrins and conditions of the Uniform entire things the said of the Consigned TO <u>Johnstown Recional Sewage</u> On Collect on Delivery Shipments, the letters "COD" must appear belone consigned's name or as otherwise provided in Item 430, Sec. 1. Destination 241 Asphalt Rd. Jonsntown City Street_ RÉAPA 15906 Zip Route. (*To be filled in only when shipper desires and governing territe provide for delivery thereat.) (Signature of consignor.) C. O. D. Charges to be Delivering Carrier -Car or Vehicle Initials and No. Paid by Shipper Consignee Collect on Delivery \$ _ . And Remit to If charges are to be prepaid, write or stamp here, "To be Prepaid." .Citv State Street "Weight (Subject to Correction) Check нм Kind of Package, Description of Articles, Special Marks, and Exceptions <u>4620</u> <u>load water</u> gal in prepayment of the charges on the property described hereon. #1 Agent or Cashier APT# 51243 · api 37-115-20150 Jerl Trucks The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding

Shipper, Per.

CABOT-EPA 007280

Permanent post-office address of shipper,

Agent

STRAIGHT BILL OF LADING-SHORT FORM ORIGINAL - NOT NEGOTIABLE Shipper's No. __2362 Carrier's Name: Canal Princking RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading, Carrier's No. at DIMOCK TWD. (Date) #84-21-10 FROM SENR/Cabot the property described below, as apparent good order, except as noted (contents and conditions of contents of packages unknown), marked, consigned, and desuped as shown below, which said company (the word company being understood throughout that contrast as meaning any persons or corporation in possession of the property where the contrast) agrees to carry to its usual place of delivery at said destination. If on its own railroad, water line, highway conscious, otherwise to deliver to another carrier on the notate to said destination. It is mitually agreed as to seek carrier of all or any of said property over all or any portion of said route to destination, and so in each party at any time interested at all or any portion of said notate to the said that the said terms and conditions of the Uniform Domestic Straight Shaper hereby certifies that he is familiar with all the terms and conditions of the said bill of landing, including those on the back thereof, set forth in the classification or sailf which givens the transportation of this shipment, Consigned TO Johnstown Regional Sewage On Collection Delivery Shipmanis, the letters "COD" must appear before consigned's name or as otherwise provided in Item 430, Sec. 1. Destination 241 Asphalt Rd. Johnstown City Street. 15906 . Zip Route_ (*To be filled in only when shipper desires and governing tariffs provide for delivery thereat.) (Signature of consignor.) C. O. D. Charges to be Delivering Carrier _ __ Car or Vehicle Initials and No. Paid by ☐ Shipper ☐ Consignee _And Remit to _ Collect on Delivery \$ _ State *Weight (Subject to Correction) Check Column H.M Kind of Package, Description of Articles, Special Marks, and Exceptions load water 4620 gal 1 Received \$_______to apply in prepayment of the charges on the property described hereon 51243 AFL# Per (The signature here acknowledges only the amount prepaid.) Charges Advanced 37-115-20150 API" † "The fibre containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification in the part of bill of hading approved by the Interstate Commerce Commission. Truck Plata The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding . Shipper, Per... Agent Permanent post-office address of shipper, Per

CABOT-EPA 007281

ORIGINAL - NOT NEGOTIABLE

Shipper's No2.	363
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		Cannel Prucking of the classifications and tariffs in effect on the date of the issue	of this Diff of Indina			Carrie	r's No.
	•	Or the classifications and tarms in effect on the date of the issue clow, in apparent good order, except as need (contents and condition of the conditions of the highest order of the conditions and as to each party at any time interested in all or any the high order to stand that he is familiar with all the terms and conditions of the water conditions are hereby agreed to by the shipper and accepted for	=	FROM	SRWR?Cab and destuned as she all place of delivery at tutually agreed, as to est the reunder shall be subject	own below, which said destination, it is carner of all the terror	paid company (the word company being understood of on its own militood, water line. highway route or any of said property over all or any portion a and conductors of the Uniform Domeste Strateh
Consigned	1TO	h (i) in the Uniform Freight Classification is effect on the date it that he is familiar with all the terms and conditions of the same conditions are hereby agreed to by the shipper and accepted for MARAJOHNSTOWN Regional on Delivery Stipments, the letters "COD" must appear before consignes in	Sewage	rest address for purposes	2) in the applicable most, set forth in the class of notification only.) 2)	tor carner classifica sification or lariff	Subject to Section 7 of conditions, if this shipment is to be delivered to the consigner without recourse on the consignor, the consignor shall sign the following statement:
Destination	n	241 Asphalt Rd. s	reet	Johan	town 15906	Clty	The carrier shall not make delivery of this Aupment without poyment of freight and all other hawful charges.
Delivering	Carrie	er	Car or \	/ehicle Initials an	d No		(Sgreature of consignor.) C. O. D. Charges to be Paid by
Collect on Delivery \$Street			And Remit to	City	State	Shipper Consignee	
.ages	HM.	Kind of Package, Description of Articles, Special Marks,	and Exceptions	*Weight (Subjection)	Class or Rate	Check Column	
_1		load water		4620	gal		Received \$ to apply in prepayment of the charges on the propeny described bereon.
AF4#		51243					Agest of Cashier Per (The signature here acknowledges only
API#		37-115-201\$50					the amount prepard } Charges Advanced
Truck		747	<u> </u>				† The fibre continuers used for this abipment conform to the specifications set forth in the box maker's crufficate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freigh
*If the shipment NOTE —Where	moves be the rate is	ween two ports by a carrier by water, the law requires that the bill of lading shall sidependent on value, shippers are required to state specifically in writing the agree I walter of the property is hereby specifically stated by the shipper to be		n's weight. y.	per		Classification." Thipper's imprint to lieu of stemp; not a par of bill of lading approved by the Interstate Commerce Commission.
- 6m	A	Shipper	Per				Agen
Permanent p address of s		28			Per		
			-				

STRAIGHT BILL OF LADING-SHORT FORM ORIGINAL - NOT NEGOTIABLE Shipper's No. 2364 Carrier's Name: Cannal Trucking RECEIVED, subject to the classifications and tartifs in effect on the date of the issue of this Bill of lading. Carrier's No. Dimock Two. (Date) 4-21-10 FROM SRVR/CAbot property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consugred, and destined as shown below, which and company (the word company being uncupling this contract as meaning any person or corporation in prosession of the property under the contract agrees to early to its usual place of delivery as add derumation, of on its own intillroad, water line, highway sould recut to destination. All the standard and destination is a cach carrier of all or any of said property over all or any part of the property and the standard property and the standard property and the standard property and the standard property and the standard property and the standard property are all or any of said property. That every service to be performed hereunder shall be subject to all the terms and conditions of the standard property and the standard property are all or any of said property. If all adding a standard property is a major property and the standard property and the standard property are all or any of said property. The property experies to be performed hereunder shall be subject to all the terms and conditions of the said that the standard property agreed to be performed hereunder shall be subject to all the terms and conditions of the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns. Consigned TO Johnstown Regional Sewace On Collect on Delivery Shipments, the letters "COD" must appear before consigned's name or as otherwise provided in liem 430, Sec. 1. Destination 241 Asphatl Rd. Johnstown City Street. PA State 15905 Delivery Address (*To be filled in only when shipper dealers and governing ta:fffs provide for delivery thereat.) County _ Zip Route. (Signature of consignor.) __ Car or Vehicle Initials and No. _ C. O. D. Charges to be Delivering Carrier. Paid by ☐ Shipper ☐ Consignee Collect on Delivery \$ _ _ And Remit to _ If charges are to be prepaid, write or stamp here, "To be Prepaid" State "Weight (Subject to Correction) Class or Rate Check Column Kind of Package, Description of Articles, Special Marks, and Exceptions н.м. load wmater 4620 gal the charges on the Agent or Cashler APE# 51243 (The signature here acknowledges only the amount prepaid) APIÉ 37-115-20150 Truck f 'The fibre containers used for this shipment conform to the specifications set forth in the brancher's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Preight Classification Thipper's National Motor Preight Classification of the Preight Classification Plate# error by water, the law requires that the ball of lading shall state whether it is carrier's or shipper's weight hippers are required to state specifically in writing the agreed or declared value of the property. The agreed or deciared value of the property is hereby specifically stated by the shipper to be not exceeding Shipper, Per. Agent Permanent post-office address of shipper.

CABOT-EPA 007283

arrier's N	lame:	Advaltece <u>Wall</u> St	specific according			Carrie	r's No.	
		classifications and tariffs in effect on the date				Danie	13110.	
		∵r. (Date	1 249745	FROM SE	15/02/55			
e property des roughout this routes, or w said route to il) of Lading hipper hereby	contract as my vithin the terms of destination, is set forth (1) certifies that 1 terms and condi-	(Date na apparent good order, except as noted (contents casing any person or corporation in possession ory of its impleyey operations, otherwise to deit of as to excel party at my time interested as or accel party at my time interested as or accel party at my time interested as or accel party at my time interested as or accel party at my time interested as or acceleration of the content of the	and condition of contents of paci- of the property under the contrac- ter to another carrier on the rout- all or any of said property, that is a the date bereof, it this is a ra- of the said bill of lading, inclu- cepted for himself and his assigns	ages unknown), marked, consigned, a () agrees to carry to its usual place to said destination. It is mutually every service to be performed herean ill or rail-water shipment, or (2) in ding those on the back thereof, set	and desumed as show ce of delivery at a agreed, as to each der shall be subject the applicable motor forth in the classi	n below, which and destination, if carner of all to all the terms carner classifica fication or tanff	said company (the word company being understor, or als own railroad, water line, highway rou or any of said property over all or any portic and conditions of the Uniform Domestic Straig tion or tentil if thus is a motor carmer hipmer which governs the transportation of this shipmer	
onsigned:	TO	Josephanage Symposeshij.	, (M	an or street address for purposes of notin	ication only.)		Subject to Section 7 of conditions, if this shipme is to be delivered to the consigner without recour- on the consigner, the consigner shall sign the	
Or	n Collect on Deli	very Shipments, the letters "COD" must appear before	consignee's name or as otherwise prov	• *		City	following statement. The carrier shall not make delivery of it shipment without payment of freight and all oth lawful charges.	
	····	County	Deliven	State	17:56	Zip		
}oute		(*	Address Address of the filled in only when shipper desired	s and governing tariffs provide for deliver	y thereat.)	- <u> </u>	(Signature of consignor)	
Delivering Carrier Collect on Delivery \$			Ca	r or Vehicle Initials and No		· <u> </u>	C. O. D. Charges to be Paid by Shipper □ Consignee	
Collect on	Delivery \$)	And Hemit to	·	į.		I(charges are to be prepaid, write stamp here. To be Prepaid.	
Street Rind of Package, Description of Articles, Spec		pecial Marks, and Exceptions	Weight (Subject to Correction)	Class or Rate	Checki Column	stamp here. To be Prepaid.		
Packages				to Conscion)	driate	Column		
- :	-	Daga garage	·	5017	223		Received \$	
		~ 1				<u>.</u>	described hereon.	
177		51243					· Agent or Cashier	
1,2		3 7- 113-20153					(The agnature here anknowledges only the amount prepaid.) Charges Advanced.	
, ,,,	7						\$	
٠. انت		111660	1				1 The fibre containers used for this ships conform to the specifications set forth in the maker's certificate thereon, and all other requirem of Rule 41 of the Uniform Freight Classifica and Rule 5 of the National Motor Fre Classification.	
of the shipment of NOTE —Where t	moves between tw the rate is depend	op ports by a clarifier by water, the law requires that the bill ent on value, shuppers are required to state specifically in v of the property is hereby specifically stated by the		shipper's weight, property	per	····	Classification." †Shipper's imprint in heu of stamp; not a p of bill of lading approved by the Interst Commerce Commission.	
7. 7. m	nich	Jag'	Shipper, Per	rejsunctit		this Shippin	must detach and retain g Order and must sign Bill of Lading.	

			Sindings - N	OTNEGOTIABLE			er's No. <u>SG-500</u>
Carrier's M	lame:	US Environment	al			Carrie	er's No. 96262
ECEIVED.	ubject to the	ne classifications and tariffs in effect on th	e date of the issue of this Bill of lading.				
, Di	mock	Twp	(Date) 4-21-10	FROM SE	RWR/Cab	ρt	
e property de oughout this routes, or said route il of Lading ipper hereby d the said t	scribed belo contract as within the to destination set forth certifies the erms and o	w. in apparent good order except as noted meaning any person or corporation in posterntory of its highway operations, otherwise m, and as to each party at any time interest(1) in the Uniform Freight Classification in the is familiar with all the terms and conflictors are hereby appead to by the shippe	(contents and condition of contents of package assists of the property under the contract) to deliver to another center on the route to ted in all or any of said property, that eve effect on the date hereof. If this is a rail orditions of the sand bill of lading, including, and accepted for himself and his assigns.	s unknown), marked, consigned, igrees to carry to list susual plu o said destination. It is motually y service to be performed hereu or rail-water shippinent, or (2) in those on the back thereof, se	and destined as short ace of delivery at y agreed, as to each mider shall be subject the applicable mote t forth in the class	we below, which said destination, is checker of all the serm or currier classification or turiff	sud company (the word company being saderaton in an assert sure railroad, water line, highway rous or any of said property ever all or any portion and condutions of the Uniform Domestic Straig indo not starff if this is a wooder carrier shipmen which governs the transportation of this abunean
onsigned	ιTΟ	Sunbury Genera	tion	r strest address tor purposes of not	fication only.)		Subject to Section 7 of conditions, if this shipmer is to be delivered to the consigner without recours on the common the consigner shall seen the
~ c	n Collect on	Delivery Shipments, the letters "COD" must appea	r before consigner's name or as otherwise provide				following statement: The carrier shall not make delivery of the shipment without payment of freight and all others.
estinatio	n <u> </u>	do TrailR c.	Street		tin Dam	• :	lawful charges
		County	PA.	State	17876	Zip	
oute			Delivery Address Address Address Address Address Address Address And Address And Address And Address And Address And Address Address And A				
			(*To be filled in only when shipper desires an	d governing tartifs provide for delive	ry thereat.)		(Signature of consignor)
elivering	Carrier	C. O. D. Charges to be					
ollect on	Deliver	y\$	And Remit to				☐ Shipper ☐ Consignee
Street				CityState			If charges are to be prepaid, write stamp here, "To be Prepaid."
No. Packages	H.M.	Kind of Package, Description of A	rticles, Special Marks, and Excaptions	"Weight (Subject to Correction)	Class orRate	Check Cotumn	
1		load water		116 9 00	gal		Received \$
		#1					in prepayment of the charges on the proper described hereon
AFE#		51243					Agent or Cashier
.PI#		37-115-201	50				(The signature here acknowledges only the amount prepaid) Charges Advanced.
Fruci	14	622					† "The fibre consisters used for this shipm
Plate	2//	AF55384					conform to the specifications set forth in the b maker's certificate thereon, and all other requireme of Rule 4: of the Uniform Preight Classificati and Rule 5 of the National Motor Freight Classification."
If the shipment		en two ports by a carrier by water, the low requires that pendent on value, shippers are required to state specifi- sine of the property is hereby specifically states	the bill of lading shall state whether it is carner's or sheally in writing the agreed or declared value of the prop I by the shipper to be not exceeding	pper's weight. erty,	per		tShipper's imprint in lieu of stamp; not a p of bill of lading approved by the Interstr Commerce Commission.
			Shipper, Per				Age

ORIGINAL - NOT NEGOTIABLE

Shipper's No. SG-501

Carrier's 1	Name:	US Environmental		Carrier's No. 96240					
		o the classifications and tariffs in effect on the o	- -						
atD)imo	ock Twp. (c	Pate) 4-21-10	FROM_ <u>SRi</u>	IR/CAbo	t			
the property de throughout this or routes, or of said route Bill of Leding Shupper hereby and the said	escribed to contract within the so destinate set fort certifies terms and	color. TWID. Colow. in apparent good order, except as noted (et as meaning any person or corporation in posters to terminary of its highway operations. Otherwise to amon, and as to each party at any time interested h(1) in the Uniform Freight Classification in efficient with all the terminar concentrations are before yeard to by the shipper of the conditions are before yeard to by the shipper.	ntests and condition of contents of packsion of the property under the contract deliver to another carrier on the routing all or any of said property that ect on the date hereof, if this st a rations of the said bill of lading, included the section of the said bill of lading, included the sections of the said bill of lading, included the sections of the said bill of lading said with the said bill of lading.	ages unknown), marked, consigned, i) agrees to carry to its usual ple to said destination. It is mutually to said destination. It is mutually every service to be performed hereu- ul or nail-water shipment, or (2) in ting those on the back thereof, see	and destined as an ice of delivery at a speed, as to e ander shall be subjuthe applicable at forth in the ela	own below, which said destination, it act carrier of all the terms to all the terms of carrier classification or tanff	said company the word company being understood f on its own railroad, water line. highway route or any of said property over all or any portion s and condusors of the Uniform Domesus Straight Lion or early if thus is a motor carrier shipment which governs the unrusportation of this shipment.		
		Surbury Cenerat	(Ma	all or street address for purposes of not	fication only.)		Subject to Section 7 of conditions, if this shipment is to be delivered to the consigner without recourse on the consignor, the consignor shall sign the following statement:		
		Old Trail RC.			nsc	City	The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.		
							!		
Route		County	Delivery	State		Zip			
noute			(*To be filled in only when shipper desires	and governing tanife provide for deliver	ythereat.)		(Signature of consignor.)		
Delivering	Carrie	ər	Ca	r or Vehicle Initials and No)		C. O. D. Charges to be		
Collect on	n Deliv	ery \$	And Remit to				Paid by □ Shipper □ Consignee		
		•					If charges are to be prepard, write or stamp here, "To be Prepard."		
	1			City City	Cless	State	stamp here, "I'd be Prepaid"		
Packages	H.M	Kind of Package, Description of Artic	les, Special Marks, and Exceptions	to Correction)	or Rate	Column			
		3 3 6		6000] _				
	+	<u>load water</u>		6 000	gal	 	Received \$		
		± 1					described hereon.		
	1				1		Ageni or Cashier		
AFE#		51243					Per		
	1 1				İ		(The signature here acknowledges only the amount prepaid)		
A <u>pi</u>		<u> 37-115-2019</u>	50		 		Charges Advanced.		
1 :	,]	622					s		
Trucki	-	012			 		f "The fibre containers used for this thipment conform to the specifications set forth in the box		
Plata≗	ا	AF55386			1		maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight		
elf the shipment	moves bet	ween two ports by a carrier by water, the law requires that the dependent on value, shippers are required to state specifical	bill of lading shall state whether it is carrier a o	r shipper's weight.		L	Classification." 1 Shipper's invent in her of stamp, not a part		
		i value of the property is hereby specifically stated b		property,	per		of bill of lading approved by the Interstate Commerce Commission.		
			Shipper, Per			//	Agen		
Permanent p		Ca			Per #	MAD			
				7					
				7					
				\Box					

ORIGINAL - NOT NEGOTIABLE

Shipper's No.	<u> </u>	

		: US Environmental to the classifications and tariffs in effect on the date of the issue of this Bill of lading.	· · · · · · · · · · · · · · · · · · ·		Carrie	ars No. 45 E Bel 此 10764
	•		EDOM C	own /or t		
the property de throughout this or routes, or of said route Bill of Lading Shipper hereby and the said	escribed contract within the destination of the certifies and the	below, in apparem good order, except as noted (contents and condition of contents of packages the territory of its highway operations, otherwise to deliver to property under the contract) against and as to each party at any time interests in all or any of said property, that every thin (i) in the Uniform Preight Classification in effect on the doth enteroil, if this is a valid or of the despite of the conditions and the said but of flading, according to decording and the said but of flading, according to	unknown), marked, consigned, ces to carry to its usual p said destination. It is mutual service to be performed here rail-water shipment. or (2) i hose on the back thereof.	and destined as she lace of delivery at ity agreed, as to en under shall be subje in the applicable mo et forth in the clas	own below, which said destination, in the carrier of all cit to all the term for carrier classification or tariff	said company (the word company being understood on his nown rational, water line, highway route or any of said groperty over all or any portion as and conditions of the Uniform Domeric Straight join or tariff of this is a motor carner shopment which governs the transportation of this shipment,
Consigned	d TO	(Mail or s	treet address for purposes of no	tification enly.}		Subject to Section 7 of condutions, if this shipment is to be delivered to the consignee without recourse on the consignor shall sign the following statement. The carrier shall not make delivery of this
Destinatio	n	253 WEST 47h ST Street	State	willian	City	the carrier and not make octively be dis- supposed without payment of freight and all other lawful charges
Route		Delivery Address * (+To be filled in only when altopper desires and g	poverning tariffs provide for deliver	pry thereat.)		(Signature of consignor.)
Delivering	Carri	erCaror\	ehicle Initials and N	0		C. O. D. Charges to be
Collect on	Deliv	very \$And Remit to				Pald by ☐ Shipper ☐ Consignes
_		Street	Citv		State	If charges are to be prepaid, write or stamp here, "To be Prepaid"
No. Packages	н.м.	Kind of Package, Description of Articles, Special Marks, and Exceptions	*Weight (Subject to Correction)	Class or Rate	Check Column	
_ 1		load water	6300	gal		Received \$to apply
		亲 1				in prepayment of the charges on the property described hereon.
AFZ#		51243				Agent or Cashies
API#		37-115-20150				(The signiture here acknowledges only the amount prepaid?) Charges Advanced:
Truck		618				\$
PLate		AF 68829				to the first containers used for mis singularity conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification.
*If the shipment NOTE —Where	moves bet the rate is	ween two ports by a carrier by water, the law requires that the bill of lating shall state whether it is carrier's or shapp- ordered to value, shappers are required to make specifically in writing the spreed or detailed value of the propert is value of the property is herbys specifically stated by the shappers to be not exceeding	er's weight y-	per		Classification." †Shipper's imprint in lieu of stamp: not a part of bill of lading approved by the Interstite Commerce Commission.
		Shipper, Per		Seum	m03.	Flogly @ Agent
Permanent p				Per		
] .			

ORIGINAL - NOT NEGOTIABLE

· ·	us	1 1 11			-	200000
Carrier's Name:	Environmetnal	FOR AG	4		Carrie	er's No.
	lassifications and tariffs in effect on the date of the is					107031
at Dimock '	in apparent good order, except as noted (contents and channing any person or corporation in possession of the ory of its highway operations, otherwise to deliver to and as no each party as any time interested in all or in the Uniform Freight Classification in effect on the case of the content of the conte	4-21-10	FROM_S	RWR/CAL	30t	
the property described below, it throughout this contract as me	in apparent good order, except as noted (contents and contents and contents any person or corporation in possession of the	ondition of contents of package property under the contract)	es unknown), marked consigned, agrees to carry to its usual pl	and destined as a	hown below, which t said destination, it	said company (the word company being understoof on its own rational, water line, highway rout
or routes, or within the ternit of said route to destination. A	ory of its highway operations, otherwise to deliver to and as to each party at any time interested in all or	another corner on the route asy of said property, that eve	to said destination. It is mutuall ry service to be performed hereu	y agreed, as to nder shall be sub	each carrier of all ject to all the term	or any of said property over all or any portions and conditions of the Uniform Domestic Straigh
Shipper hereby certifies that he and the said terms and condition	the constitution of the terms and conditions of the ions are hereby agreed to by the shapper and accepted	said bill of lading, including for himself and his assens	g those on the back thereof, so	t forth in the cl	essification of tariff	which governs the transportation of this shipmen
		(Mali	or street address for purposes of not	fication only.)		Subject to Section 7 of conditions, if this shipmer
Consigned TO	PSC Environmental					is to be delivered to the consigner without recours on the consignor, the consignor shall sign if following statement:
On Collect on Dein	very Shipments, the letters "COD" must appear before consign	•		_		The carrier shall not make delivery of the shipment without payment of freight and all other
	773 M . Penn ERd.				City	lawful charges.
	County	PA	State1	<u> 7875 </u>	Zip	
Boute	County	Delivery Address*			•	
	(★To be fil	ed in only when shipper desires a	nd governing tantis provide for delive	ry thereat.)		(Signature of consignor.)
Delivering Carrier		Card	or Vehicle Initials and N	0		C. O. D. Charges to be
-						Paid by
Collect on Delivery \$	·	And Remit to	 		~	☐ Shipper ☐ Consignee
	Chara and		6 74		D	If charges are to be prepaid, write stomp here, "To be Prepaid."
140.	Street		City	Class	State	The state of the s
Packages H.M.	Kind of Package, Description of Articles, Special M	arks, and Exceptions	to Correction)	or Rate	Column	
			1-100		1	
1	lcad water			gal	Į	Received \$ to app
						Received \$to app an prepayment of the charges on the proper described hereon.
						dekines across.
			Me. May th	ر هرو دوس نخ	20 00	Agent or Cashier
AFE#	51243		MELNOL A	2471	3 <i>0-10</i>	•
- 1 Land 17	512.55		PSL MOL #	ر بر ا خ		(The signature here acknowledges only
	77 115 30150		ORABLE	111296	<i>50</i>	the amount prepaid.) Charges Advanced.
PI#	37=115=20130			11/07	1	
	170/ lole 9			İ	1	\$
Fruck		<u> </u>		- 	 	† "The fibre containers used for this shipm conform to the specifications set forth in the b
	ATRIS	? //-		1		maker's certificate thereon, and all other requirement of Rule 41 of the Uniform Freight Classificat
Plate# A	Wedger ! I !	T			<u> </u>	and Rule 5 of the National Motor Fres
NOTE —Where the rate is depend	to ports by a carrier by water, the law requires that the bill of lading ent on value, shippers are required to state specifically in writing th	agreed or declared value of the pro	npery.			†Shipper's imprint in lieu of stamp; not a p of bill of lading approved by the Interst
The agreed or declared value	of the property is hereby specifically stated by the shipper	to be not exceeding		per		Commerce Commission.
	Ship	per, Per				Age
Dominant seat office				i	18011-	MANA
Permanent post-office address of shipper,				Per	May !	· · · · · · · · · · · · · · · · · · ·
			<u></u>		7/	
		Į.	7		U	
			1 I			

ORIGINAL - NOT NEGOTIABLE

Shipper's No. PSC4 1978 PSC & # 291354 Carrier's No. US E BOI# 107021

Carrier's N						Carrie	er's No. US E Rol# 1070
•	•	o the classifications and tariffs in effect on the date	-				
at Dimo	<u> 205</u>	(Date lebw, in apparent good order, except as noted (content as meaning any person or composition in possession to tenting) of its highway operations, otherwise to delicion, and as to each party at my time interested in fill in the Uniform Fersiph Chastification in effect of the high Entitle with all the terms as conditions conditions.) 4-21-10	FROM SE	WR/CAbot	<u> </u>	
ne property de proughout this r routes, or	scribed b contract within th	elow, in apparent good order, except as noted (content) as meaning any person or corporation in possession a territory of its highway operations, otherwise to deli-	s and condition of contents of pac of the property under the contrac ver to another carrier on the rou	Roges unknown), marked, consigned; 3) agrees to carry in its usual to so said destination. It is mut	d, and destined as sho place of delivery at ually agreed, as to ea	win below, which said desunation. I carrier of all	said company (the word company being understood if on its own railroad, water line, highway coute or any of said property over all or any portion
f said route	set forti	ation, and as to each party at any time interested in h [1] in the Uniform Preight Classification in effect of the life for the life fo	all or any of said property that is the date hereof, if this is a r	every service to be performed h ad or roll-water shipment. or (2)	ereunder shall be subject in the applicable mod	or carrier classific	as and conditions of the Uniform Domestic Straigh alson or tariff if this is a motor carner shipmen
d the said t	erms and	conditions are hereby agreed to by the shipper and	accepted for himself and his assign	fail or street address for purposes of	polification poly 1	SINCARDA DI CANTA	Which governs the management of this amphien
oneigner	TO.	PSC environmethal	("	and or supply address for purposes of	nountation only)		Subject to Section 7 of conditions, if this shipmer is to be delivered to the consigner without recours on the consignor, the consignor shall sign the
_ 0	n Collect	on Delivery Shipments, the letters "COD" must appear before					following statement: The carrier shall not make delivery of the shipment without payment of freight and all others.
estinatio	n <u>27</u>	773 n. Penn Rd.	Street	Hatfield		City	lawful charges.
		County	PA	State	19440	Zip	1
oute			Address*			·	
							(
elivering	Carrie	or	Ca	r or Vehicle Initials and	No		C. O. D. Charges to be
ollect on	Delive	ery \$	And Remit to				Shipper ☐ Consignee
		• . –					If charges are to be prepaid, write stamp here, "To be Prepaid."
		Street				State	stamp here, "To be Prepaid."
No. Packages	н.м.	Kind of Package, Description of Articles, S	pecial Marks, and Exceptions	*Weight (Subject to Correction)	Class or Rate	Check Column	
	ļ						
_1		<u>load water</u>	 	6300	gal		Received S to app
	1			ľ			in prepayment of the charges on the proper described hereon.
		<u>#1</u>					
				İ			Agent or Cashier
AFE;		51243					Per (The signoture here acknowledges only the amount prepaid)
		25 645 00450			_		the amount prepaid) Charges Advanced:
<u> RPIV</u>	\vdash	<u> 37-115-20150</u>					Charges Advanced:
~,		618					s
Truc	4-1				_		t "The fibre containers used for this shipme conform to the specifications set forth in the bo
DT - 4	ا ير ا	AF 68829					maker's certificate thereon, and all other requirement of Rule 41 of the Uniform Freight Classificate and Rule 5 of the National Motor Freig
of the shipment	moves be	tween two ports by a carrier by water, the law requires that the bill of dependent on value, shippers are required to state specifically in value.	of lading shall state whether a recentrer's	or shipper's weight.			"Classification." †Shipper's imprint in lieu of stamp; not a pa
		superatent on value, anippers are required to state specifically in v I value of the property is hereby specifically stated by the		holen	per		of bill of lading approved by the interst Commerce Commission
					7	110	VACO.
			Shipper, Per		Fru	will h	Flish Agen
Permanent	nost-offi						
address of s		···			Per		
				2]			
				니			

STRAIG	HT B	ILL OF LADING—SHORT FORM ORIGINAL -	NOT NEGOTIABLE		Shipp	er's No. <u>PSC479</u>
Carrier's N	lame:	U.S. Environmental / For P-S the classifications and tariffs in effect on the dark of the issue of this BIII of lading,	· <u>C</u>	- <u>-</u>	Carrie	er's No. 07037
RECEIVED, S	upject to	the classifications and tariffs in enection the date of the issue of this bill of lading,				
the property der throughout this or routes, or v of said route to Bill of Lading Shipper hereby and the said te	scribed be construct within the o destinat set forth certifies	(Date) ATA 2 1 - 10 Town, in apparent good order, except as noted (consents and condition of contents of pact as meaturing any person or corporation in possession of the propenty under the contract certification is highway operations, otherwise to deliver to another carrier on the rout ion, and as to tack party at any unne interested in all or any of said property, that of the things of the party at any unne interested in all or any of said property, that of the party is any unne interested in all or any of said property, that or the said that of the party of the said that the terms and conditions of the said bill of the dange inclusions of the heady agreed to by the shoper and accepted for himself and his amount	ages unknown), marked, consigned, lo sprees to carry to its usual pie to said destination. It is mutually service to be performed hereu if or rail-water thipment, or (2) in ing those on the back thereof, see	and destined as shape of delivery at the subject of delivery at the subject of the subject of the applicable of the appl	own below, which said destination, a ach carner of all the term stor carrier clussification or tariff	said company (the word company being understood to in its own railroad, water line highway round to the conditions of the Uniform Domestic Straphun on or tast? If this is a motor carrer shipment which governs the transportation of this shipment,
Consigned	TO.	PSC Enviornmental	all or streat address for purposes of not	fication only.)		Subject to Section 7 of conditions, if this shipment is to be delivered to the contiguee without recourse on the consignor, the consignor shall sign the
_ Or	n Collect o	n Delivery Shipments, the letters "COO" must appear before consigned's name or as otherwise prov 2773 M. Pann Rd. Street	•	e l d	City	following statement: The carner shall not make delivery of this shipmen! without payment of freight and all other lawful charges
		County	State 19440			
Houte		Delivery Address (**To be filled in only when shipper desires	and governing tariffs provide for delive	ry thereal.)		(Signature of consignor.)
Delivering	Carrie	rCa	or Vehicle Initials and No)		C. O. D. Charges to be Paid by
Collect on	Delive	ry \$And Remit to _				☐ Shipper ☐ Consignee
		Street	City		State	If charges are to be prepaid, write or stamp here, "To be Prepaid."
Packages	н.м.	Kind of Package, Description of Articles, Special Marks, and Exceptions	"Weight (Subject to Correction)	Class or Rate	Check Column	
1		load water	6300 enga	cal		Recrived \$to apply
		·				Received Sto apply in prepayment of the charges on the property described hereon
AFE#		51243				Agent or Casher
API#		37-115-20150				(The signature here acknowledges only the amount prepaid.) Charges Advenced:
Truck	#	621 / PSC#249172-10	0			1 "The fibre containers used for this shipmen
Plate		XBC7420/order # 1/2863	0			conform to the specificanons set forth in the bot maker's certificate thereon, and all other requirement of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freigh
NOTE Where t	the rate is o	rea two ports by a carrier by water, the law requires that the bill of lading shall state whether it is camer's o ependent on value, shippers are required to state specifically in writing the agreed or declared value of the value of the property is hereby specifically stated by the shipper to be not exceeding	r shipper's weight. Property	per		Classification." 1Shipper's imprint in Jieu of stamp, not a par of bill of lading approved by the Interstate Commerce Commission.
		Shipper, Per Ce	Vigains			Agen

Permanent post-office address of shipper,

			ONG MAL . II			Shipp	er's No
Carrier's	Name	Cannel Trucking				Carrie	r's No.
		to the classifications and tariffs in effect on the date					
at Di	moc	k Twp. (Date	4-22-10	FROM SRW	R/Capot	<u> </u>	
the property di throughout this or routes, or of said route Bsil of Lading Shipper hereby and the said	contract within the to destine set for certifies terms are	Date the propage of t	and conduson of contents of pockage of the property under the course() a west to another carrier on the route it all or any of said property, that ever a the date hereof, it this is a rail of of the said bill of lading, including crepted for himself and his arsigns.	s unknown), marked, consigned, grees to carry to its senat pla said destination, it is mutually service to be performed herein rail-water shipment, or (2) in those on the back thereof, set	and destaned as short ce of delivery at a agreed, as to each other shall be subject the applicable more forth in the class	wn below, which said desimation, it is carrier of all to all the terms or earner classification or tariff	said company (the word company being understood on its own railmad, water line, highway route or any of said property over all or any portion i and condutions of the Uniform Domestic Straight tion or fain! If this is a motor carrier shapment, which governs the transportation of this shipment.
		Tophnstown Regio	(Mail o	r street address for purposes of noti-	lication only)		Subject to Section 7 of conditions, if this shipment is to be delivered to the consigner without recourse on the consignor, the consignor shall sign the following statement.
Destinatio	n	241 Asphalt Rd.	Street	Johnston	n	City	The carrier shall not make dolvery of this shipment without payment of freight and all other lawful charges
		County	₽/; Delivery_	State1590	15	Zip	
Houte		(*	o be filled in only when shipper desires an	d governing tariffs provide for deliver	y therest.)		(Signature of consignor.)
-		er					C. O. D. Charges to be Paid by
Collect on	Deliv	ery \$	And Remit to				☐ Shipper ☐ Consignes
		Street		City		State	If charges are to be prepaid, write or stamp here. "To be Prepaid"
No Packages	н.м.	Kind of Package, Description of Articles, S	pecial Marks, and Exceptions	*Weight (Subject to Correction)	Class or Rate	Check Column	
1		load water .		4620	gal		Received \$
		<i>y</i> 1					in prepayment of the charges on the property described hereon.
AFE		51243					Agent or Cashier
							Per [The signature here acknowledges only the amount prepaid.] Charges Advanced
<u> 201</u> #	2	37-115-201 25 0)			 	Charges Advanced
Truc	13	(4)					† The fibre containers used for this shipment conform to the specifications set forth in the box
Plat	e#	7x13184					maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification.
NOTE Where	the muc is	ween two poits by a carrier by water, the law requires that the bill of dependent on value, shippers are required to state specifically in way value of the property is hereby specifically stated by the	titing the agreed or declared value of the prop	pper s weight. erly.	per		TShipper's impont in heu of stamp; not a part of bill of lading approved by the Interstate Commerce Commission.
	3	~	Shipper, Per				Agen
Permanent p			Cimppel, I di				Agent

CABOT-EPA 007291

DIM0228524

DIM0227454

STRAIGHT BILL OF LADING-SHORT FORM ORIGINAL - NOT NEGOTIABLE Shipper's No. 2358 Carrier's Name: Cannel Trucking Carrier's No. RECEIVED, subject to the classifications and tanifs in effect on the date of the issue of this Bill of lading, FROM_SRWR/CAbot at Dimock Two. (Oate) 4-22-10 FROM SRWR/CAbot the property described below, is apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as shown below, which and company (the word company being in throughout this content as meaning any person or corporation is possession of the property under the contract) agrees to carry to its usual place of delivery at said deviation, discovering the contract of the c Dimock Twp. Consigned TO Johnstown Regional Sewage On Collect on Delivery Shipments, the latter "COD" must appear before consegned a name or as of Destination 241 Aspantl Rd. Johantown City Street. Delivery Address★ 15906 County_ .Zip Route_ C. O. D. Charges to be Delivering Carrier _ Car or Vehicle Initials and No. Paid by ☐ Shipper ☐ Consignea Collect on Delivery \$ _ And Remit to _ State н,м Kind of Package, Description of Articles, Special Marks, and Exceptions 4620 gal <u>load_water</u> Agent or Cashier <u> AFI#</u> 512343 Per (The signature here acknowledges only the amount prepaid.) API: 37-115-20150 † "The fibre containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification. This previous representation of the Classification of the Classification of the Commercial C The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _Shipper, Per_ Agent Permanent post-office address of shipper, Per

CABOT-EPA 007292

ORIGINAL - NOT NEGOTIABLE

Shipper's No. 2359

Carrier's		Cannal Trucking to the classifications and tariffs in effect on the date of the issue of this Bill of lading,			Carrie	er's No.
at	escribed contract within to destri- set for certifies terms an	below, in apparent good ordes, except as noted (contrast and condition of contents of packages to as meaning any person or corporation in possession of the property under the contract against earlier of its highway operations, orderwise to deliver to another canner on the rouse to nation, and as to each party at any time interested in all or uny of said property, that every thin (1) in the Uniform Fersigh Classification in effect on the date hereof, if this is a rail or that he is familiar with all the terms and condutions of the said bill of lading, including deconditions are hereby spread to by the hipper and accepted for himself and his assets.	unknown), markad, consigned, to carry to as usual pla said destination in is mutually service to be performed hereum raul-water shipment, or (2) in those on the back, thereof, set	IRPCADO and destined as shee of delivery as agreed, as to evider shall be subjet the applicable mo forth in the class	own below, which said destination, is carrier of all the term of carrier classification or tanff	taid company (the word company being understood for any own railroad, water hand, help beyond the company to the company of the company of the company of the control of th
Consigna	₁TO	(Mall or a Johnstown Regional Sewage) Tohnstown Regional Sewage (mail or a consigner's name or as otherwise provided in	street address for purposes of not	ication only.)		Subject to Section 7 of conditions, if this shipment is to be delivered to the consigner without recourse on the consignor, the consigner shall sign the following statement: The configuration of the consigner of this
Destinatio	n	241 ASDRAIT RG. Street PA County PA Address (*To be filled in only when shipper dealins and in	Johnst State 159	own 6	City Zip	slapment without payment of freight and all other lawful charges.
Houte		Address (*To be filled in only when shipper desires and s	poverning tariffs provide for delive	y thereat)		(Signature of consignor.)
Delivering	Carri	er Car or ' very \$ And Remit to	Vehicle Initials and No)		C. O. D. Charges to be Paid by Shipper Consignee
		Street	City		State	If charges are to be prepaid, write or stamp here, "To be Prepaid."
No Packages	H.M.	Kind of Package, Description of Articles, Special Marks, and Exceptions	*Weight (Subject to Correction)	Class or Rate	Check Column	
_1		load water	4620	gal		Received \$to apply no prepayment of the charges on the propenty
		₁ 7 1				described hereon.
AFE#		51243			•	Agent or Cashier
API#		37-115-20150				(The signiture here acknowledges only the amount prepaid) Charges Advanced
Truck	ii.	301				\$
PLate		AR52629 -				conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Preight Classification and Rule 5 of the National Motor Preight Classification."
NOTE Where	the rate is	ween two porfs by a carner by water, the haw required that the bill of lading shall state whether it is carner's or shipp dependent on value, shippers are required to sale specifically in writing the agreed or declared value of the propert I value of the property is hereby specifically stated by the ahipper to be not exceeding	ers weight. y.	per		†Shipper's imprint in lieu of stamp; not a part of bill of lading approved by the Interstate Commerce Commission
		Shipper, Per				Agen
Permanent p address of sh		ce /		Per	~	<u> </u>

CABOT-EPA 007293

DIM0228526

DIM0227454

STRAIGHT BILL OF LADING—SHORT FORM		ORIGINAL	ORIGINAL - NOT NEGOTIABLE Shipp			pper's No. <u>2370</u>	
Carrier's	Name:	Barron Trucking				Carrie	r's No.
RECEIVED,	subject to th	e classifications and tariffs in effect on the date of the Issue of	this Bill of lading,				
at	escribed below	TWP. (Date) 4-2 v. in apparent good order, except as noted icontents and condition meaning any person or corporation in possession of the proper	2-10 of contents of pacty under the contract	FROM SRickages waknown), marked, consigned, a	R/CADS	own below, which	and company (the word company being understood on its own railroad, water line, highway route
or routes, or of said route Bill of Lading Shipper hereby and the said	within the to to destination set forth (certifies that terms and co	TWC a (Date) 4-2 v. in apparent good order, except as noted contents and condition measuring any person or corporation in possession of the proper training of its highway operations, otherwise to deliver to another, and as to each perty at any time interested in all or any of in the Uniform Freight Insulfication as effect on the date he is familiar with all the terms and conditions of the said adultions are become green to the terms.	carner on the rou said property, that reof, if this is a r bill of lading, inclu- niself and his assign	te to said destination it is mutually every service to be performed herein all or rail-water shipment, or (2) in iding those on the back thereof, set is.	agreed as to de der shall be subjected and the applicable race forth in the cla	uch carrier of all ect to all the terms tor carrier classifica ssification or tariff	or any of said property over all or any portion; s and condutions of the Uniform Domesuce Straight uon or tariff if this is a motor carrier shipment which governs the transportation of this shipment
Consigne	d TO_	Johnstown Regional Se	wace	Aall or street address for purposes of notif	cation only.)		Subject to Seesion 7 of conditions, if this shipmen is to be delivered to the consignor without recourse on the consignor, the consignor shall sign the following statement:
Destination	n	241 Asphalt Rd. st	reet	Johant		City	The carrier shall not make delivery of the shipment without payment of freight and all othe lawful charges.
Doute	<u> </u>	County(*Tobe filled in or	Delivery_	State15900	<u></u>	Zip	
noute		(±To be filled in or	Address ^. ly when shipper desire	s and governing tariffs provide for deliver	thereat.)		(Signature of consignor)
Delivering	Carrier_		Са	r or Vehicle Initials and No			C. O. D. Charges to be
Collect or	Delivery	\$	And Remit to		- 		Paid by ☐ Shipper ☐ Consignee
		Street	·	City		State	If charges are to be prepaid, write o stamp here, "To be Prepaid."
P Tges	H.M.	Kind of Package, Description of Articles, Special Marks, ar	d Exceptions	'Weight (Subject to Correction)	Class or Rate	Check Column	
_1		loső water		4620	gal		Received \$ to applin prepayment of the charges on the propert
		<i>"</i> 1					in prepayment of the charges on the propert described hereon.
AFE:		51243					Agent or Cashier
							Per (The signature here acknowledges only the amount prepaid.)
API:	45-	37-115-20150					Charges Advanced
Truc	Jic#	た は は りょて			,	\	† "The fibre containers used for this shipme
_Plat	e# 7	F-73454 PA-CXFJ-	99601	Q.			conform to the specifications set forth in the branker's certificate threeon, and all other requirement of Rule 41 of the Uniform Preight Classification and Rule 5 of the National Motor Freight Classification.
NOTE Where	the rate is depo-	two ports by a carrier by water, the law requires that the bill of lading shall state in on value, shippers are required to state specifically in writing the agreed to of the property is cored, specifically stated by the shipper to be	or declared value of the	or shipper's weight. property.	per		t Shipper's imprime in lieu of stamp, not a poor of bill of lading approved by the Interstate Commerce Commission.

	Delivery Address *	State	<u>'</u>	Zip	
Route	Address (*To be filled in only when shipper dealines and	governing tariffs provide for delive	ry thereat.)		(Signature of consignor)
•	er Car or			- 1	C. O. D. Charges to be Paid by Shipper Consignee
Collect on Delive	ery \$ And Remit to				l
	Street	City		State	If charges are to be prepaid, write or stamp here. "To be Prepaid."
F 1gem H.M.	Kind of Package, Description of Articles, Special Marks, and Exceptions	*Weight (Subject to Correction)	Class or Rate	Check Column	
1	load water	4620	gal		Received \$to apply
	#1		- <u>-</u>		in prepayment of the charges on the property described bereon.
AFE#	51243				Agent or Cashver
					(The signature here acknowledges only the amount prepaid.)
A9Ii	37-115-20150		 		Charges Advanced
Truck#	R-16 & BUST				\$
Plate	HF-73454PA-EXFJ-99601G				conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight
"If the shipment moves bet NOTE —Where the rate is	times two point by a courter by water, the law requires that the bill of lating what such whether it is carrier a or ship dependent on value, thippers are required to state specifically in writing the agreed or declared value of the proper value of the property is greatly aspectfically stated by the shipper to be not exceeding.	per's weight.	per		Classification." 18hipper's imprint in lieu of stamp, not a part of bill of lading approved by the Interstate Commerce Commission.
3	Shipper, Per		•		Agen
Permanent post-offic address of shipper,			Per		
doctess of allepter,		<u></u>			

Carrier's Name:

Route.

AFE#

<u>API</u>

Permanent post-off address of shipper,

Delivering Carrier Collect on Delivery \$

Barron Trucking

241 Aspahtl Ra.

County _

load water

51243

Johnstovn Reiconal Sewace
Delivery Shipmants, the letters 'COD' must appear before consignee's name or as otherwise provided in item 430, Sec. 1.

Kind of Package, Description of Articles, Special Marks, and Exceptions

Street.

Shipper, Per

And Remit to

ORIGINAL - NOT NEGOTIABLE

Per

Delivery Address Then shipper desires and governing tariffs provide for delivery therest.)

T NEG	OTIABLE		Shipp	er's No. 23X71
	. ·		Carrie	r's No.
unknow grees to said di service rail-was those o	POM SRWI in). murked, emsigned, ecurry to its swall plo- satination. It is mutually to be performed hereover ter shipment, or (2) in the back thereof, set	Cabol and desirned as ah ce of delivery at agreed. as to e der shall be subjet the applicable rac forth in the cla	own below, which said desunation, if ach carrier of all the terms to receive relassifies ssification or tariff	said company (the word company being understood from its own callroad, water line, highway route or any of said property over all or any portion is and conditions of the Uniform Domesus Straight lion or sanff if this is a motor carrier shyment, which governs the transparation of this shyment.
	idress for purposes of noti			Subject to Section 7 of conditions, if this shipment is to be delivered to the consigner without recourse on the consignor, the consignor shall sign the
	Johsni ate <u>15905</u>		following stitutiones: The carmer shall not make delivery of this shipment without payment of freight and all other lawful charges.	
governin	g tanffs provide for deliver	y thereat.)		(Signature of consignor)
Vehic	ele Initials and No), <u>.</u>		C. O. D. Charges to be Paid by Shipper Consignee
	City		State	If charges are to be prepaid, write or stamp here. "To be Prepaid"
	*Weight (Subject to Correction)	Claus or Rate	Check Column	
+	4620	sal		Received \$to apply in prepayment of the charges on the property described hereon.
				Agent or Cashier
	· · · · · · · · · · · · · · · · · · ·			Per The signature here acknowledges only the amount prepaid.) Charges Advanced.
Pa Per's weig	ghr.			† "The fibre containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification." 1Shipper's unpoint in lieu of stamp, not a part

CABOT-EPA 007295

Agent

STRAIGHT	BILL OF LADING—SHORT FORM	ORIGINAL - NO	TNEGOTIABLE		Shipp	er's No. <u>2372</u>
Carrier's Name	<u> </u>	 		·	Carrie	r's No.
	to the classifications and tariffs in effect on the date of the iss					
at Dimoc	ck Two. (Date) 4	<u>-23-10</u>	FROM <u>\$2</u>	WE?Cal	ot	
throughout this contract or routes, or within to of said route to death Bill of Lading set for Shipper hereby certifies and the said terms and	below, in appusent good order, except as noted (contents and cost is meaning any person or corporation is possession of the per territory of its highway operations, otherwise to deliver to as also and as to each party at any time interested in all or an also and as to each party at any time interested in all or an also that he is familiar with all the terms and conditions of the d considerance are hereby agreed to by the shipper and accepted for	otton of contents of packages moperty under the contract) agrowed the officer currier on the route to of a said property, that every hereof, if this is a rail or said bill of lading, including or himself and his assigns.	unknows), maked, consigned, it nees to earry to its usual pla said desunation. It is mausily service to be performed hereural-water shipment, or (2) in those on the back, thereof, set	no destined as an oce of delivery at a ragreed, as to a sader shall be suby the applicable man, forth in the cla	own below, which said destination, i arch curner of all bet ion all the terms for carner classification or tariff	said company (the word company being understood f on its own railroad, water line, highway route or any of said property over all or any portion a and conditions of the Uniform Domestic Straight iton or tariff if this is a motor earner shipment, which governs the transportation of this shipment,
Consigned TO	Johnstown Reigonal Se	wage (Martin	street address for purposes of flor	ication only.)		Subject to Section 7 of conditions, if this shipment is in be delivered to the consigner without recourse on the consigner, the consigner shall sign the following statement:
	t on Delivery Shipments, the letters "COD" must appear before consigned 41 A sphatl $R ilde{lpha}$.	•		ı	City	The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.
	County(★To be filled				Zip	
Route		Address★			· ·	
						(Signature of consignor)
Delivering Carri	er	Car or	Vehicle Initials and No)		C. O. D. Charges to be
Collect on Deliv	ery \$	And Remit to				☐ Shipper ☐ Consignee
	Street		City		State	If charges are to be prepaid, write or stamp here, "To be Prepaid."
75 H.M.	Kind of Package, Description of Articles, Special Mari		*Weight (Subject to Correction)	Class or Rate	Check Column	
1	load water		4620	gal		
·	Runaineer #1		1020			Received \$
				+		Agent or Cashier
AFE#	51243			 		Per (The signature here acknowledges only the amount prepaid)
70T4	37-115-20150					Charges Advanced
Truck#	0/					† The fibre containers used for this shipmen
Plate#	AF3500	4				conform to the specifications set forth in the bor maker's conficate thereon, and all other requirement of Rule 41 of the Uniform Freight Classification
"If the shipment moves bet NOTE —Where the rate is	ween two fork by a currer by water-rise law requires had the ball of lading sha dependent on value, shippers are prohipd to state specifically in writing the of value of the property is hereby specifically stated by the shipper to		per's weight ly.	per		and Rule 5 of the National Motor Freigh Classification. Shipper's imprint in lieu of stamp; not a part of bill of leading approved by the Interstate Commerce Commission.
The agreed of accurred		er, Per		ļ ,		Agen
Permanent post-office address of shipper,	e /			Per		- •
		7	7			···

STRAIG	HTE	BILL OF LADING—SHORT FO	RM ORIGINAL - N	NOT NEGOTIABLE		Shipp	er's No. 2373
Carrier's N	lame	Cannel Trucking to the classifications and tariffs in effect on the date				Carrie	er's No.
	•			EDOM CO	up/asha	- t-	
the property des throughout this wor soules, or wo of said route to Bill of Luding Shipper hereby and the said to	contract contract vithin to o destin set for cerufies sms an	below, in apparent good order, except as noted (contents as meaning any person or corporation in possession in terminary of its highway operations, otherwise to deliverate to deliverate to a content of the content of	and condition of contents of packag of the property under the contract) or to another carrier on the route till or say of said property, that eve- tled the hereof, if this as a rail of the said bill of linding, including crepted for himself and has assigns.	es unknown), marked, consigned, agreet to extry to its usual pile to said destination. It is mutually y service to be performed hereu or rail-water shipment, or (2) in g those on the back thereof, set	and destined as shore of delivery at y agreed, as to conder shall be subjected the applicable monotonic forth in the class	own below, which said destination, is ach carner of all set to all the term for carrier classifies saification or tariff	taid company (the word company being understood f on as own railroad, water line, highway route or any of said property over all or any portion a and conditions of the Uniform Domestic Straight its own tearly if this as a motor carmer shapment, which governs the enappertation of this shipment,
Consigned	то	Jonnstown KXKRecion on Delivery Shipmenta, the letters "COD" must appear before or		or street address for purposes of noti	ncation only.)		Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor shall sign the following statement.
		on Delivery Shipments, the letters "COD" must appear before of 241 Aspantl Rd.			α	City	The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges
		County	ರಾ			Zip	
Route			Delivery Address Address Delivery			<u> </u>	(Signature of contignor.)
•		ery \$	Car o	or Vehicle Initials and No)		C. O. D. Charges to be Paid by Shipper Consignee
Collection	Denv						If charges are to be prepaid, write or stamp here, "To be Prepaid"
No. Packages	H.M.	Street Street Kind of Package, Description of Articles, Sp	ecial Marks, and Exceptions	City "Weight (Subject to Correction)	Class or Rate	Check Column	
1		load water		4620	- - - - -		
•		10aa wate1		4023	401		Received S to apply in prepayment of the charges on the property described hereon.
AFE#		51243					Agent or Cashier
API#		37-115-20150					(The signature here acknowledges only the amount prepaid) Charges Advanced:
Truck;		/25					t "The fibre containers used for this stupment
P <u>Late</u> ,		7×P3184					conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification."
NOTE -Where th	te rate is	ween two ports by a carrier by water, the law requires that the bill of dependent on value, shippers are required to state specifically in wr value of the property is hereby specifically stated by the s	iting the agreed or declared value of the pro	upper s weight. perty.	ber		1 Shipper's imprint in lieu of stamp, not a part of bill of lading approved by the Interstate Commerce Commission.
(4)	<u>)) (:</u>	4-11:	Shipper, Per				Agent
Permanent po address of ship		9			Per		
				1			

STRAIGHT BILL OF LADING—SHORT FORM ORIGINAL - NOT NEGOTIABLE Shipper's No. XX2374 Carrier's Name: Cannel Trucking Carrier's No. RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading, at DIMOCKT WP. (Date) 4-23-10 FROM SRWRPCROOT the property described below, is apparent good order, except as noted (contents and conditions of contents of packages unknown), marked, contagend, and destined as shown below, which said company (the word contraging being unit throughout this contract as meaning try person or corporation in post-station of the property under the contract) agrees to carry to its usual place of delivery at said detentation, if on its own raistoad, water line, highway or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is minutally agreed, as to each carrier of all or any of said property over all or any of said property over all or any of said property, that every service to be performed hereused stable to subject to all the learns and conditions of the terms and conditio Subject to Section 7 of conditions if thus shipment is to be delivered to the consigner without recourse on the consignor, the consignor shall stign the following statement: The carner shall not make delivery of this shipment without payment of freight and all other lawful charges. Consigned TO Johsnto Johantown Reigonals evace was provided in tem 430, Sec. 1. 241 Aspahtl Rd. Johnstown Destination . City Street. 15906 .Zip _County _ Delivery * Route_ (Signature of consignor.) (*To be filled in only when shipper desires and governing tant's provide for delivery thereat.) C. O. D. Charges to be Delivering Carrier _ Car or Vehicle Initials and No. . Paid by Shipper Consignee Collect on Delivery \$ _And Remit to if charges are to be prepaid, write stamp here, "To be Prepaid." State *Weight (Subject to Correction) Class or Flate H.M. Kind of Package, Description of Articles, Special Marks, and Exceptions 4620 1 load water gal Received 5 in prepayment of the charges on the described hereon Agent or Cashier AFE# 51243 Per (The signature here acknowledges only the amount prepard) API? <u>37-115-20150</u> The fibre containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements and Rule 5 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification 15hipper's impunt in heu of staing, not a part of bill of lading approved by the Internation Commerce Commission. Trucki water-rife law requires that the bill of lading shall state whether it is corner's or shipper is weight, are required to state specifically in writing the agreed or declared value of the property The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding . Shipper, Per. Agent Permanent post-office address of shipper, Per

CABOT-EPA 007298

STRAIGH	TBILL OF LADING—SHORT FO	ORIGINAL ~ NOT	NEGOTIABLE		Shipp	er's No. 2375
	me: Barron Trucking				Carrie	er's No.
	ect to the classifications and tariffs in effect on the date	- :				
the property described in the property described in this east of routes, or with a said route to described in the said terms of the said terms of the said terms	bed below, in apparent good order except as noted (contentrated as meaning any person or corporation in possession in the territory of its highway operations, otherwise to be to be the contentrate of the contentrate of the contentrate of the contentrate of the contentrate of the contentrate of the contentrate of the contentrate of the contentrate of the continue o	e) 4-23-10. ts and condition of contents of packages of the property under the contract agreeiver to another carrier on the route to a not be determined to the property of the property of the property of the said bill of lading, including the accepted for himself and his saugar.	FROM CDT wholever, marked, consigned, be to carry to its usual placed destination. It is mutually ervice to be performed better that water shipment, or (2) in one on the back, thereof, se	and destined as shince of delivery at y agreed, as to ender shall be subjet the applicable moil forth in the class	own below, which said destination, in the carrier of all to to all the terrator classification or tariff	said company (the word company being understood from its own railwood, water time, highway route to the company of the company
T hereigned	o Johnstown Pecions	15 AWACA	wet accress for purposes of not	fication only)		Subject to Section 7 of conditions, if this shipmens is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:
_ On C	ollect on Delivery Shipments, the letters "COD" must appear before 241 Aspahtl Rd.	s consignes's name or as otherwise provided in i		own	Citv	tollowing statement: The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges
	County		_ State	15906		
Route	(*)	To be filled in only when shipper desires and go	rverning tariffs provide for delive	ry therest.)		(Signature of consignor)
•	arrierelivery \$					C. O. D. Charges to be Paid by Shipper □ Consignee
	Street		Citv	_	State	If charges are to be prepaid, write or stamp here. "To be Prepaid."
No Packages H.			"Weight (Subject to Correction)	Class or Rate	Check Column	
1	load water		4620	gal		Received \$ to apply in prepayment of the charges on the property described hereon.
	#1			+	,	Agent or Cashier
AFE#	51243 37-115-20150					Per (The signature here acknowledges only the amount prepaid) Charges Advanced.
nimine W	R.11 - R.13	T				\$
Dietad	AF.73454 0 X	FJ-9960 PA				conform to the specifications set forth in the bo maker's certificate thereon, and all other requiremen- of Rule 4) of the Uniform Freight Classificatio and Rule 5 of the National Motor Freight Classification."
	es between two ports by a carrier by water, the law requires that the fill- nie is dependent on value, shippers are required to state specifically in the definition of the property igner by specifically stated by the		's weight.	per		rShipper's impoint in lieu of stamp, not a pa of bill of lading approved by the Interstal Convertee Commission.
	les de	Shipper, Per				Ager
Permanent post- address of shipp				Per		
-		5				

STRAIGHT B	BILL OF LADING—SHORT FO	ORM ORIGINAL -	ORIGINAL - NOT NEGOTIABLE Ship			pper's No. 2376	
	to the classifications and tariffs in effect on the date	•				r's No.	
at Disacci the property described it throughout this contract or routes, or within to of said route to destin Bill of Lading set fort Shipper bereby certifies and the said terms and	below. In apparent good order, except as noted (coater as meaning any person or carporation in possession or territory of its highway operations, otherwise to de territory of its highway operations, otherwise to de stion, and as to each party at my time interested in the (1) in the Uniform Preight Classification is effect that he is familiar with all the terms and condition of conditions are bearing agreed to by the absorper and	e) 42-23-10 is and condution of contents of packs of the property under the contract) lives to another carrier on the route all or any of said property, that evon the date bereof, if this is a rail to of the said bill of lading, including accepted for himself and his assigns.	FROM SR. ges unknown), marked, consigned, is agrees to carry to its usual plu to said destination. It is mutually ery service to be performed hereu or nail-wate shipment, or (2) in ng those on the back thereof, set	WR ? CADC and destined as sho are of delivery at a greed, as to ea oder shall be subject the applicable mot forth in the clas	wan below, which said destination, it ch carrier of all it to all the terms or carrier classification or tariff	read company (the word company being understood of on its own rulroad, water line, highway route or any of said property over all or any portion is and conditions of the Uniform Domestic Straight hon or tand? if this is a metor carrier shipment, which governs the transpondition of this shipment.	
	Johnstown Regica	(Mai	l or street address for purposes of notif	fication only.)		Subject to Section 7 of conditions, if this shipment is to be delivered to the consigner without recourse on the consignor, the consignor shall sign the following statement:	
Destination	241 Aspahtl Rd.	Street	Johnst	own 906	City	The carrier shall not make delivery of this shipment without payment of freight and all other lawfut charges.	
Route	County	Delivery Address Address A	and governing tariffs provide for deliver	ry thereat.)	· · · · · ·	(Signature of consegnor)	
Delivering Carrie	ery \$	Car	or Vehicle Initials and No). <u> </u>		C. O. D. Charges to be Paid by Shipper Consignee	
-	Street		City		State	If charges are to be prepaid, write or stamp here, "To be Prepaid"	
jes H.M.	Kind of Package, Description of Articlas,	Special Marks, and Exceptions	*Weight (Subject to Correction)	easiO etaP, no	Check Golumn		
1	load water		4620	gal		Received \$ to apply in prepayment of the charges on the property described hereon.	
AFE#	F4343					Agent or Cashier	
⊅PT#	37-115-20150					(The signature here acknowledges only the amount prepaid) Charges Advanced:	
Truck#	BW-3-	- 11 7-17894	9P. Pa,			\$	
	ween two ports by a carrier by water, the law requires that the bill dependent on value, shippers are required to state specifically in value of the property is hereby specifically stated by th		shipper's weight. openy.	per		Classification." †Shipper's imprint in these of stamp; not a par of bill of lading approved by the interstate Commerce Commission	
		_ Shipper, Per				Agen	
Permanent post-offic address of shipper,			<u></u>	Per	-		

ORIGINAL - NOT NEGOTIABLE

Shipper's No.	SG-508	

		: C. haer Trucking			Carrie	er's No.
		to the classifications and tariffs in effect on the date of the issue of this Bill of lading,		- (: :	•	
at	NOC.	K TWP. (Date) 4-23-10	FROM SEN	R/CADO1	num below which	said crammany (the word commony heres understand
throughout this or routes, or of said route Bill of Lading Shipper hereby	within to desting set for certifies	le TWP a (Date) Le TWP a (Date) Le TWP a (Date) Le TWP a Le) agrees to carry to its usual pla to said destination. It is minutally very service to be performed hereus I or rail-water thipment, or (2) in ing those on the back thereof, set	ce of delivery at agreed, as to estable subject the applicable mo forth in the class	said destination. I ach carrier of all ict to all the term for carrier classifica saffication or tanff	f on als own militoad, valter line, highway rouse or any of said property over all or any portion s and conditions of the Uniform Domestic Straight ison or taniff if this as motor carrier thipment, which governs the transportation of this shipment.
Consigner	_d TO	Sunbury Ceneration (Me	ill or street address for purposes of not	lication only.)		Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consigner, the consigner shall sign the following statement.
		tion Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provi OLC Trail BG. Street		Dan	City	The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.
Desinatio	"'	County PA	State 17	3 7 6	Zin	
Boute		County DA Delivery Address*	State	× / V	ZIP	
		(★To be filled in only when shipper dealres	and governing tarlifs provide for deliver	y therest.)		(Signature of consignor.)
Delivering	Carri	erCar	or Vehicle Initials and No)		C. O. D. Charges to be Paid by
Collect on	Deliv	very \$ And Remit to _				☐ Shipper ☐ Consignee
		Street	City		State	If charges are to be prepaid, write or stamp here, "To be Prepaid,"
No Packages	H.M	Kind of Package, Description of Articles, Special Marks, and Exceptions	"Weight (Subject to Correction)	Class or Rate	Check Column	
		*				
1		load water	5000	gal		Received \$ to apply
		<i>#</i> 1				in prepayment of the charges on the property described hereon
AFE#		# 4 ° 4 °				Agent or Coshler
SER SELF	\vdash	51243		+		Per (The signature here acknowledges only
API#		37-115-20150				the amount prepard) Charges Advanced:
Truc	} :!	GP				\$
Plate	i -	AE35004 P.				t "The fibre containers used for this shipmen conform to the specifications set forth in the box maker's certificate thereon, and all other requirement of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freigh
"If the shipment	mayes be	ween two ports by a carrier by water, the law requires that the bill of liding shall state whether it is carrier's or dependent on value, shappers are required to state specifically in writing the agreed or declared value of the p	shipper's weight			Classification." †Shipper's impoint in held of stamp; not a par
		I value of the property is hereby specifically stated by the shapper to be not exceeding		per		of bill of lading approved by the Intersus Commerce Commission.
		Shipper, Per				Agen
Permanent p address of st		ре		Per		
			27			
			71			

ORIGINAL - NOT NEGOTIABLE

Shipper's No. SC-511

Carrier's Name						Carrie	er's No. 96252
	to the classifications and tariffs in effect on the date of		•				
at Dimoc!	C TWD. (Date	<u>4-23-10</u>		FROM	SRNR?Cab	ot	
the property described throughout this contract or routes, or within to of said route to desti- bill of Lading set for Shipper hereby certifies and the said terms an	Date Date Date	and condition of contents of of the property under the content of the property under the content of the another carrier on the rall or any of said property, this is a of the said bill of lading, in eccepted for himself and his assistant of the said bill of lading, in	packinges unkin tract) agrees roule to said at every servi- rail or rail- icluding those igns.	own), marked, consigne- to carry to its usual destination. It is mut- ice to be performed his water shipment, or (2) on the back thereof.	I, and destined as all place of delivery at place of delivery at sally agreed, as to ex- reunder shall be subject in the applicable mo- set forth in the class	own below, which said destination, is ach carrier of all cit to all the term for carrier classification or tanff	said company (the word company being understood if on its own raikroad, water line, highway route or any of said property over all or any portion is and coaditions of the Uniform Domestic Straight also or tariff if this is a motor carrier alugement which governs the transportation of this shipment.
Consigned ${\sf TC}$	Sunbury Generation	1	(Mail or street	address for purposes of	notification only.)	-	Subject to Section 7 of conditions, if this shipment is to be delivered to the consigner without recourse on the consignor, the consignor shall sign the following statement.
	ld Trail? d.	•			KDa.n	Citv	The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.
Destination	County	PA		State 1	7876	Zin	
Route	County(*1	Delivery Address	k	J. 10		£'P	
Delivering Carri	er	C	ar or Vel	nicle Initials and	No		C. O. D. Charges to be
Collect on Deliv	very \$	And Remit to	o				☐ Shipper ☐ Consignee
	Street			City _		State	If charges are to be prepaid, write or stamp here, "To be Prepaid."
Packages HM.	Kind of Package, Description of Articles, Sp	secial Marks, and Exceptions		*Weight (Subject to Correction)	Class or Rate	Check Column	1
				5700			
1	load water			- 6300	gal		Received Sto apply in prepayment of the charges on the property
	#1						described hereon.
AFE	51243						Agent or Cashier
FAR E. 6	51245						Per (The signature here acknowledges only
API#	37-115-26150						the amount prepend) Charges Advanced
Tinasa - Ta 'i	622						\$
Truck#	622						† "The fibre containers used for this shipmen conform to the specifications set forth in the box maker's certificate thereon, and all other requirement
Plate	AF55386						of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight
NOTE Where the rate i	tween two ports by a carrier by water, the law requires that the bill of a dependent on value, shippers are required to state specifically in w d value of the property is hereby specifically stated by the	riting the agreed or declared value of i	's or shipper's t the property.	weight			Classification." †Shipper's imprint in lieu of stamp; not a par of bell of lading approved by the interstate Commerce Commission.
The agreed or decision	a range or one property is nervey specimently stated by the	ample to be not exceeding	· · · · · · · · · · · · · · · · · · ·		per		
		Shipper, Per				1/1	/// Agen
Permanent post-off address of shipper,					Per //	ANT LA	
			7				

ORIGINAL - NOT NEGOTIABLE

					_		Shipp	ers No. 2377
		: Cannel Trucking				·	Carrie	r's No.
RECEIVED,	subject	to the classifications and tariffs in effect on the date of	f the Issue of this Bill of lading,					
at Di	Lino	CK TWO. (Date)	4-24-10	FRC	M SRW	R/Cabot		
he property de hroughout this or routes, or of said route sill of Lading thipper hereby no the sud to	contrac contrac within ! to destin set for certifier comes an	below in apparent good order, except as noted (contents in as meaning any person or comportion in postession he territory of its highway operations, otherwise to delivation, and as to each perty at they time interested in a title (1) in the Uniform Freight Clastification in effect on that he is familiar with all the terms and conditions of conditions are hereby agreed to by the shipper and as	and condition of contents of pace of the property under the contrac- er to smother carrier on the rout il or any of said property, that the date hereof, if this is a ro of the said bill of inding, inclu- ceptud for himself and his assign;	kages unknown), mark it) agrees so carry to the to said destination, every service to be sill or rail-water ships deling those on the b	ed, consigned, a continuous usual place it is mutually performed bereun nent, or (2) in such thereof, ser	nd destined as sho re of delivery at agreed, as to ea der shall be subject the applicable most forth in the class	wn below, which said destination, if the carrier of all the terms or carrier classification or tanff	said company (the word company being understood in on its own railroad, water line, highway route or any of said property over all or any portion is and conditions of the Uniform Domestic Straight tion or carefil if this is a motor camer shapment, which governs the transportation of this shipment.
			(M	tall or street address for	purposes of notif	ication only.)		Subject to Section 7 of conditions, if this shipment is to be delivered to the consigned without recourse
Consigned	i I U	Johnstown Regional ton Datavery Shipments, the letters "COD" must appear before or	Onsignee's name or as otherwise prov	vided in tem 430. Sec. 1	I.			on the consignor, the consignor shall sign the following statement: The corner shall not make delivery of this
_		241 Asphatl Rd.				wn	City	shipment without payment of freight and all other lawful charges.
Route		County	Delivery _ Address★					
								(Signature of consignor.)
<i>Deliveri</i> ng	Carri	er	Ca	r or Vehicle Init	ials and No	· ——		C. O. D. Charges to be Paid by
Collect on	Deliv	ery \$	And Remit to					☐ Shipper ☐ Consignee
		Street	····		City		State	If charges are to be prepaid, write or stamp here, "To be Prepaid"
No Packages	H.M	Kind of Package, Description of Articles, Sp	ecial Marks, and Exceptions	*Weig to C	pht (Subject correction)	Class or Rate	Check Column	
1		load water		4	620	qal		
		#1			520	341		Received \$
7, 10, 7	n #	51343						Agent or Cashier
#1.E ±	***	51243				1		Per (The signature here acknowledges Only the amount prepaid.)
KAN	PI#	37-115-20150						Charges Advanced
	ıck	P. P				1		
<u>* * * '</u>	LC N	200-31				1		† "The fibre containers used for this shipmer conform to the specifications set forth in the bo- maker's certificate thereon, and all other requirement
PΙσ	te	HESSOUT						of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification."
OTE —Where t	he rate is	ween two ports by a carrier by water, the law requires that the bill of dependent on value, shippers are required to state specifically in wri- value of the property is hereby specifically stated by the s-	ting the agreed or declared value of the	r shipper's weight. property.		ber		Classification." †Shipper's imprint in lieu of stamp; not a part of bill of lading approved by the interstate Commerce Commission.
						<u></u>	i	
			Shipper, Per			1	- //	Agen
Permanent po address of sh	ost-offic	ce ce				Per	HO	1 m

CABOT-EPA 007303

DIM0227454 DIM0228536

STRAIC	STRAIGHT BILL OF LADING—SHORT FORM		M ORIGINAL -	ORIGINAL - NOT NEGOTIABLE			Shipper's No. <u>2378</u>	
Carrier's		Cannel Trucking of the classifications and tariffs in effect on the date of	the facus of this Dill of lading			Carrie	ers No.	
			•	EDOM CD	***************	. 4		
the property throughout thi or routes, or of said route Bill of Ladin Shipper hereb and the said	described to is contract within the to destinating set forth y certifies terms and	clow, in apparent good order, except as noted (contents a as meaning any person or corporation in postession of a territory of its highway operations, otherwise to deliver out on and as to each party at may time interested in all (1) in the Uniform Propiety Classification in effect on that be it familiar with all the terms and conditions or conditions are thareby agreed to by the shaper and also	The condition of contents of packs the property under the contract to another carner on the route or any of said property, that et the clate hereof, if this is a rail of the suid bill of lading, including project for himself and his assigns.	ggs unknown), marked, consigned, agrees to carry to its usual plus to said destination. It is mutually sery service to be performed hereu or rail-water shippinent, or (2) in ng those on the back thereof, see	and destined as she ace of delivery at y agreed, as to ex noter shall be subje the applicable mo t forth in the class	own below, which said destination, is ach carner of all act to all the term for carner classification or bariff	said company (the word company being understood on its own salitood, water line, highway route of the property of the property of the property company of the property of the property company of the property	
		Johnstown Regional on Delivery Shipments, the letters COD must appear before co-	(Ma	il or street address for purposes of not	fication only.)		Subject to Section 7 of conditions, if this shipment is to be delivered to the consigner without recourse on the consignor, the consignor shall sign the	
		1 Aspnatl ra.			own	Citv	The carner shall not make delivery of this shipment without payment of freight and all other lawful charges.	
Destination	011	County	D)	State	15906			
Route		County	Delivery Address	State	, 0, 2 0			
noule		(***	oo maa ii oray waan amppar oo maa	and governing leads provide for dolling	ij mo oanj			
Delivering	g Carrie	r	Car	or Vehicle Initials and No	0		C. O. D. Charges to be	
Collect or	n Delive	ery \$	And Remit to _		··		Paid by ☐ Shipper ☐ Consignee	
						State	If charges are to be prepaid, write or stamp here, "To be Prepaid,"	
14	н.м.	Kind of Package, Description of Articles, Spec	cial Marks, and Exceptions	"Weight (Subject to Correction)	Class or Rate	Check Column		
1		load water		4620	gal		Received \$to apply	
		<i>#</i> 1					in prepayment of the charges on the property described hereon.	
7: "" '" ''		C1043					Agent or Cashier	
AFE#	++	51243					Per (The signature here acknowledges only the amount prepaid.)	
<u>api#</u>		37-115-20150			4		Charges Advanced	
Truc	H 41	AE35007 Pa					t "The fibre containers used for this shipmen	
Plat		,					conform to the specifications set forth in the bor maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freigh	
*If the shipment NOTE Where	moves between the rate is d	een two ports by a carrier by water, the law requires that the bill of is ependent on value, shippers are required to state specifically in writt value of the property is hereby specifically stated by the shi		shipper's weight. roperty	per		Classification." TShipper's imprint in lieu of stamp, not a par of bill of lading approved by the Interstate Commerce Commission	
			Shipper, Per			,	Agen	
Permanent paddress of s	post-office				Peral	an M	Uller	
				1				

STRAIGH1	FBILL OF LADING	-SHORT FORM	ORIGINAL - NO	T NEGOTIABLE		Shippe	er's No. 2379
Carrier's Nan						Carrie	r's No.
	ect to the classifications and tari		<u>.</u>				
at Dimoc the property describe throughout this confor routes, or within of said route to do Bill of Lading set Shipper bereby cruit and the said terms	ed below. In apparent good order, tract as meaning any person or in the territory of its highway on estimation, and as to each party a forth (1) in the Uniform Fright lifes that he is familiar with all and conditions are hereby agreed.	except as noted (contrans and corporation in possession of the emitions, otherwise to deliver to a many time interested to all or a Classification in effect on the duthe terms and conditions of the to by the hilpoer and accrosed.	= 24-16 Indition of contents of packages property under the contract) agreement of the route to make the first of the fir	PROM unknown). marked, consigned, tes to carry to its usual places and destination is its mutuall service to be performed here raul-water shipment, or (2) it hose on the back thereof, see	SPWR C and destined as she ace of delivery at y agreed, as to es inder shall be subject the applicable moint of forth in the class	porn below, which is said destination. If the carrier of all the term of to all the term of carrier classification or tariff	said company (the word company being understood on its own railroad, water inc., highway route or any of said property over all or any portion and condutions of the Uniform Domestic Straight on or tauff if this as a motor camer assignment, which governs the transportation of this shipment.
Consigned T	OJohnsto	wn Regional	Sewage	treet address for purposes of not	lification only)		Subject to Section 7 of conditions, if this shipment is to be delivered to the consigner without recourse on the consignor, the consignor shall sign the following statement:
	lection Delivery Shipments, the letters 241 Aspahl				n	City	The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges
Destination _	01, 110,1011		. Street	0 15		City Zip	
Route	Co	unty	Delivery	_ State	700	ZiP	
Houte		(★To be illied	d in only when shipper desires and g	overning tariffs provide for delive	ry thereat.)		(Signature of consignor.)
Delivering Ca	rrier		Car or \	ehicle Initials and N	0		C. O. D. Charges to be
Collect on De	livery \$		And Remit to				Paid by ☐ Shipper ☐ Consignee
	•	Street		City		State	If charges are to be prepaid write or stamp here. To be Prepaid."
No Packages H.N	A. Kind of Packa	ge, Description of Articles, Special Ma	rks, and Exceptions	"Weight (Subject to Correction)	Class or Rate	Check Column	
1	load	water		4620	gal		
	2000	#1					Received S to apply in prepayment of the charges on the property described hereon
		11.1					Agent or Cashier
AFE	5124	3					Per
APIA	37-1	15-20150					(The signature here acknowledges only the amount prepoid.) Charges Advanced
rinndi:	. P.A				1		
Plana	AF25004 R						1 The fibre contoners used for this shipment conform to the specifications set forth in the box maker's cetuficate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the Nauonal Motor Freight Classification."
"If the shipment moves NOTE —Where the rat	between two ports by a carrier by water, e is dependent on value, shippers are req	uired to state specifically in writing the a	igreed or declared value of the propert	er's weight Y	 		Classification." 15hipper's impinit in heu of stamp; not a part of bill of lading approved by the interstate Commerce Complission
The agreed or declar	red value of the property is hereby	specifically stated by the shipper b	o be not exceeding		per		Commerce Complission
		Shipp	er, Per				Agent
Permanent post-o address of shippe	office r,		,,	····	Per	Ha	w
			5			•	

ORIGINAL - NOT NEGOTIABLE

Shipper's No.	2380
	-

		Sarron Trucking			 	Carrie	er's No.
		to the classifications and tarlifs in effect on the				. ,	
at Din	1001	below in apparent end order except as agend	(Date) 4-24-10	FROM_	SRWR/Ca	JOC.	said company (the pared company burn understand
throughout this or routes, or of said route Bill of Ladin Shipper bereband the said.	to destu g set for certifier terms ac	below. In apparent good order, except as noted it is meaning any person or corporation in position of the large of the large operations, otherwise auton, and as in each party at any time terrest in their large of the large of	tession of the property under the control to deliver to another carrier on the role of no all or eay of said property. that ffect on the date hereof, if this is a administ of the said bill of lading, inc. and accepted for himself and his essignand accepted for himself and his essignant	sact) agrees to carry to its usuate to said destination. It is in every service to be performed rail or mil-water shipment, or (inding those on the back thereoms.	all place of delivery as utually agreed, as to hereusder shall be subj 2) in the applicable m f, set forth in the cli	said destination, it each carrier of all ect to all the term of the carrier classification or tariff	on its own realroad, water line, highway routs or only of said property over all or any portion is and conditions of the Uniform Domestic Suaghtnee or tariff if this is a motor carrier shipment which governs the transportation of this shipment
			,	was a succession to barbones	of notification only.)		is to be delivered to the consigner without recours on the consigner, the consigner shall sign the
		241 Asphatl Rd.	-		wn	Citv	The carner shall not make delivery of the shipment without payment of freight and all othe lawful charges.
		Country	Dū	Chata	15906		
Pouto		County	Delivery	State		ZIP	
noute			(*To be filled in only when shipper deal	res and governing tariffs provide for	delivery thereat.)	7	(Signature of consignor.)
Delivering	Carri	er	C	ar or Vehicle Initials an	d No		C. O. D. Charges to be
Collect or	o Deliv	very \$	And Remit to	·			Paid by ☐ Shipper ☐ Consignes
		Street		City		State	If charges are to be prepaid, write o stamp here, "To be Prepaid."
£	M.H		ucles, Special Marks, and Exceptions	*Weight (Subjection)		Check Column	
		3		4620	K XX Cs	7	
	╁	<u>load water</u>		2020	BAAGO	1	Received \$to app in prepayment of the charges on the proper
		#1					described hereon
'E#		51243		ļ			Agent or Coshler
 ·I洋		37-115-201	50				rer (The signature here acknowledges unly the amount prepaid) Charges Advanced.
		17-16 BW:	3 7				s
r <mark>uck≰</mark> ete#		AF 73454 PA	&XFJ 99	20			† "The fibre containers used for this shipme conform to the specifications set forth in the bi- maker's certificate thereon, and all other requiremen- of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Mour. Fibres
rif the shipmen NOTE —When	the rate is	tween two poins by a carrier by water, the law requires that dependent on value, shippers are required to state specific	the bill of lading shall state whether it is carrier' ally in writing the agreed or declared value of the	or shipper's weight			or Rule 41 or the Onitorm Preight Classificans and Rule 5 of the National Motor Freight Classification. Classification. TShipper's import in heat of stamp; not a p. of hill of lading approved by the Interact Commerce Commission.
The agreed of	peclare	value of the property is b reby specifically stated	by the shipper to be not exceeding		per		Commerce Commence
		his de	Shipper, Per				Agei
Permanent address of s		ce			Per		
				<u>دا</u> ــــــــــــــــــــــــــــــــــــ			

STRAIG	HT BI	LL OF LADING—SHORT	FORM	ORIGINAL - NO	T NEGOTIABLE		Shipp	er's No. 2381
Carrier's	Name:	Barron Trucking					Carrie	er's No.
RECEIVED,	subject to	the classifications and tariffs in effect on the c	late of the issue o	this Bill of lading,				
at_Di	mock	TWp. (D	ate) <u>4-24</u>	-10	FROM_SRI	√R?Cabo	t	
the property of throughout this or routes, or of said route Bill of Lading Shipper - hereby and the said	described below to destinate great forth certifies the terms and certifies and certifi	ow, in apparent good order, except as noted (or a meaning any person or corporation in possessions sersiony of its highway operations, otherwise to an, and as to each party as my time interested (1) in the Uniform Freight Classification in effect for the is familiar with all the terms and condi- conditions are hereby agreed to by the shapper a	ntents and condition ition of the propert deliver to another in all or any of tet on the date her itions of the said and accepted for his	of contents of packages y under the contract) age carrier on the route to said property, that every reof, if this is a rail or bill of lading, including macif and his assigns	unknown), marked, consigned, tees to curry to its tisual p said destination is mutual service to be performed here rail-water shipment, or (2) is those on the back thereof, s	and destined as share of delivery at ty agreed, as to e; ander shall be subject the applicable mo it forth in the class	own below, which said destination, it naid carrier of all the terms for carrier classifies ssification or tariff	said company (the word company being understood on set own railroad, water line, highway mute or any of said property sever all or any portion is and conditions of the Uniform Donestee Street and or on the Uniform Donestee Street and or or the Uniform Donestee Street and the word of the Uniform Donestee Street and the Uniform Donestee Street and the Uniform Donestee Street and the Uniform Donestee Street and the Uniform Donestee Street and the Uniform Donestee Street and Un
Consigne	dTO_	Johnstown Recio	nal Sew	/ace	treet address for purposes of no	trication only.)		Subject to Section 7 of conditions, if this shipment is to be delivered to the consigner without recourse on the consignor, the consignor shall sign the following statement:
		Delivery Shipments, the letters "COO" must appear by 1 Asphalt Rd.						The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.
Destination					State159	<u> </u>	City	lawili Charges.
Route		County					Zip	
			(*To be filled in on	ly When shipper desires and q	governing tariffs provide for delive	ery therest.)		(Signeture of consignor)
Delivering	Carrier	With the second		Caror	Vehicle Initials and N	0		C. O. D. Charges to be
Collect or	n Deliver	y \$		And Remit to				☐ Shipper ☐ Consignee
	StreetCityState						If charges are to be prepaid, while or stamp here, "To be Prepaid"	
No. Packages	н.м	Kind of Package, Description of Articl	es, Special Marks, an	d Exceptions	"Weight (Subject to Correction)	Class or Rate	Check Column	
1		load water			4620	cal		
		#1						Received \$
AFE#		51243						Agent or Cashier
								Per (The signature here acknowledges only the amount prepard.)
75I%		37-115-2015	0					Charges Advanced
Truck		BW-3 -1	1/					† The fibre containers used for this shipmen
Plate		YYB3789.1	Pa PT	8849 P				conform to the specifications set forth in the bo- maker's certificate thereon, and all other requirement of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freigh Classification."
		en two ports by a carrier by water, the law requires that the pendent on value, shippers are required to state specifically the of the property is beceby specifically stated by			er's weight. ly.	per		tShipper's impost in lieu of stamp, not a part of bill of lading approved by the Interstate Commerce Commission.
		all Hottle	Shipper,	Per				Agen
Permanent address of s	post-office hipper,	`				Per		_

DIM0227454 DIM0228540

STRAIGHT BIL	ŀ	OFI	ADING	SHORT	FORM

ORIGINAL - NOT NEGOTIABLE

Shipper's No. ERR512

Consigned TO	One is apparent good order, except as noted (contents and condition of contents of packets as meaning any person or corporation in possession of the property under the contract) the contract of the property or and the contract of the property or and the contract of the property of the property of the contract of the contract of the property of the contract of the	or street address for purposes of not	lication only.)		Subject to Section 7 of conditions, if this shipment is to be delivered to the consigner without recourse on the consignor, the consignor shall sign the following statement:
	Delivery Shipments, the letters CODY must appear before consigned a name or as otherwise provided to the constraint of the letters CODY must appear before consigned a name or as otherwise provided to the constraint of the letters CODY must appear before consigned a name or as otherwise provided to the constraint of the letters CODY must appear before consigned a name or as otherwise provided to the consigned as otherwise provided to the consigned as otherwise provided to the consigned as otherwise provided to the consigned as otherwise provided to the consigned as otherwise provided to the consigned as otherwise provided to the consistency of the cons	•	un	City	The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.
	County	State 1787	15	Zip	
Route	Delivery Address (**)	State1787			(Signature of consignor)
	(*10 de tilled in only when simpper desires a				C. O. D. Charges to be
_	y \$And Remit to				Paid by Shipper Consignee
Collect on Deliver	y \$ And Hemit to				
, 	Street			State	If charges are to be prepaid, write or stamp here, "To be Prepaid."
es H.M.	Kind of Package, Description of Articles, Special Marks, and Exceptions	*Weight (Subject to Correction)	Class or Rate	Check Column	
1	load water	6000	gal		Received \$to appli
	ÿ1			i	Received \$ to sppl in prepayment of the charges on the propert described hereon
AFE,	51243				Agent of Cashier
					Per (The signature here acknowledges only the amount prepaid.)
API#	37-115-20150	-			Charges Advanced.
Truck	614 UF670				
Plate#	AF43511				† The fibre containers used for this shipmer conform to the specifications set forth in the be maker's certificate thereon, and all other requiremen of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freig
"If the shapment moves believe NOTE —Where the rate is de	en two pors by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or pendent on value, shippers are required to state specifically in writing the agreed or declared value of the pn aluer of the property is bereby specifically stated by the shipper to be not exceeding	hipper's weight. operty	per		Classification." TShipper's impant in held of stamp, not a pa of bill of lading approved by the Intersta Commerce Commission
			1		

ORIGINAL - NOT NEGOTIABLE

Shipper's No. SG-5143

Carrier's N	lame	: US Environmental			Carrie	er's No. 9 as 33
RECEIVED, s	ubject	to the classifications and tariffs in effect on the date of the issue of this Bill of lading,				
at Dlinc the property de throughout this or routes, or of said route t Bill of Lading Shipper hereby	scribed contract within to to destinate set for certifies	(Date) 4-20-10 helow in apparent good order, except as soled (contents and condition of contents of package as meaning any person or corporation in possession of the property under the consuct) he acrivacy of its highway operations, observate to deliver so another carrier on the route sation, and as to stack parry at any time interested in all we any of said property, that exit is a state of the said of the said of the said of the said of the said of the said of the said of conditions are hareby agreed to by the shupper and accepted for himself and his assigns.	FROM SRUE es unknown), marked, consigned, and agrees to carry to be usual place to said destination. It is murally sy service to be performed hereual or rail-water shipment, or (2) in the gluon on the back thereof, set	destined as she of delivery at agreed, as to es er shall be subje the oppilicable mo forth in the class	burn below, which said destination, it is contact to all the terms tor currer classification or tariff	said company (the word company being anderstood of on us own nailroad, water line, highway route or any of said property over all or any portion and conductors of the Uniform Domester Stringht toon or curit? If this is a motor earrier shipment, which governs the transportation of this shipment,
	TO	Suribury Generation Con Delivery Stipmants, the letters "COD" must appear before consignee's name or as otherwise provide	-, -, -, -, -, -, -, -, -, -, -, -, -, -	ation only.)		Subject to Section 7 of conditions, if this shipment is to be delivered to the coasignee without recourse on the coasignor, the coasignor shall sign the following statement: The earlier shall not make delivery of this
Destination	n	Clā Trail Rā. Street	Shamo	kin Da	a.TLCity	shipment without payment of freight and all other lawful charges.
		County DA Delivery Address (*To be filled in only when shapper desires as	State 1787	6	Zip	
Houte		ADDIESS ^	nd governing tariffs provide for delivery	thereat)		(Signature of consignor.)
Delivering	Carri	erCarc	or Vehicle Initials and No.			C. O. D. Charges to be
Collect on	Deliv	ery \$ And Remit to			:	Pald by ☐ Shipper ☐ Consignee
		Street	Citv		State	If charges are to be prepaid, write or stamp here, "To be Prepaid."
No. Packages	н.м.	Kind of Package, Description of Articles, Special Marks, and Exceptions	"Weight (Subject to Correction)	Class or Rais	Check Column	
1		load water	THE COURT	gal		Received S to apply in prepayment of the charges on the property
		<i>‼</i> 1				described herean.
afef		51243				Agent or Cashier
λο τ εί	· ·	37-115-20150		İ		(The signature here acknowledges only the amount prepaid.) Charges Advanced.
	,;	614 VT-676				<u> </u>
Truci		19543511 Pp				1 "The fibre containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification
NOTE Where	moves be the rate is	ween two ports by a carner by water, the law requires that the bill of lading shall state whether it is carrier's or stopendent on value, shippers are required to state specifically in writing the agreed or declared value of the pro	ipper's weight.			and Rule 5 of the National Motor Freight Classification. The part of stamp, not a part of bill of lading approved by the Interstate Commerce Commussion.
The agreed or	geciare	s value of the property is hereby specifically stated by the shipper to be not exceeding Shipper, Per		рет		Agent
Permanent pa		,		Per	17/	7
-		ſ				

ORIGINAL - NOT NEGOTIABLE

Shipper's No. 2382

Carrier's					Carrie	r's No.
	•	to the classifications and tariffs in effect on the date of the issue of this Bill of lading,				
atD	ino	CKT WD. (Date) 4-25-10	FROMS	PWR?Cal	oot	
the property of throughout this or routes, or of said route Bill of Lading Shipper hereby and the said	escribed contract within t to desting set for certifies terms and	DECETT Wild (Date) 4-25-10 below. In apparent good order, except as noted (contents and condition of contents of packages in as meaning any person or corporations, in possession of the property under the contract age to extend on and as to each party at many time interested in all or any of said property, that every the (1) in the Uniform Propert Classification in effect on the said of the party at the contract age of the	unknown), analyed, consigned, reces to carry to its usual pla said destination, it is mutually service to be performed hereus rail-water shipment, or (2) in those on the back thereof, set	and destined as sho ce of delivery at a ngreed, as to ea- ader shall be subject the applicable most forth in the class	non below, which a said destination, if che carrier of all a to all the terminar classification or tariff	said company (the word company being understood f on its own railroad, water line, highway roue or any of said property over all or any portion s and conditions of the Uniform Domestic Straight tion or earlf if this is a motor carner shipment, which governs the transportation of this shipment,
Consigne	d TO	(Mail or Johnstown Regionals awage Lon Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided i	street address for purposes of noti	teation only.)		Subject to Section 7 of conditions of this shipmen is to be delivered to the consigner without recourse on the consigner, the contignor shall sign the following statement:
Destination	n	241 Aspahtl Rd. Street	Johnst		City	The carrier shall not make delivery of this shipment without payment of freight and all othe lawful charges.
		CountyPA	State15	906	Zip	
Route		County Delivery Address* (*To be filled in only when shipper daskras and				
		(*To be filled in only when shipper desires and				(Signature of consignor.)
Delivering	Carri	erCaror	Vehicle Initials and No)		C. O. D. Charges to be
Collect or	n Deliv	rery \$ And Remit to				☐ Shipper ☐ Consignee
	·	Street	City		State	If charges are to be prepaid, write or stamp here, "To be Prepaid"
18	н.м.	Kind of Package, Description of Articles, Special Marks, and Exceptions	*Weight (Subject to Correction)	Class or Rate	Check Column	
		load water	4520	gal		
		10ac water	2020	Vai		Received S to apply the prepayment of the charges on the property described hereon.
7,		M				Agent or Cashier
<u> </u>	1-	51243				Per (The signature here acknowledges only
API	4	37-115-20150				the amount prepaid) Charges Advanced.
יו בנת		125				*The fibre contaners used for this shipmer
PT.		YXP7184				conform to the specifications set forth in the be maker's certificate thereon, and all other sequiremen of Rule 41 of the Uniform Freight Classificatic and Rule 5 of the National Motor Freigh
*If the shipment	moves bet	neeen two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or ship dependent on value, shippers are required to state specifically in writing the agreed or declared value of the proper	er's weight			Classification." †Shipper's imprint in fieu of stamp; not a pa
		value of the property is hereby specifically stated by the shipper to be not exceeding		per		of bull of lading approved by the Intersta Commerce Commission
Con.	24	Shipper, Per				Ager
Permanent p	ost-offic hipper,			Per		
		į	_			

Consigned TO JORNOUN Replace and power bound result appear and power bound or consequence without result region of colored to the consequence with a region of power bound or consequence with a region of power or power bound or consequence with a region of power or power bound or consequence with a region of power or power bound or consequence with a region of power or power bound or consequence with a region of power or power bound or consequence with a region or power or power bound or consequence with a region or power or power bound or consequence with a region or power or power bound or consequence with a region or power or power bound or consequence with a region or power or power bound or consequence with a region or power or power bound or consequence with a region or power or power bound or consequence with a region or power or power bound or consequence with a region or power or power bound or consequence with a region or power or power bound or consequence with a re	STRAIC	3HT I	BILL OF LADING—SHORT F	ORM	ORIGINAL - NOT NI	EGOTIABLE		Shipp	er's No. <u>2383</u>
at Discock TWP. (Date) 4-25-10 The property described helber, in appeared soften, compare and contacts and processor of p								Carrie	er's No.
Consigned TO JORSICOVID Recisionals 2019632 On Coded on Delivery Stipments, the interaction must appear before consupervise cannot on an otherwise provided in som 50, Sec. 1. Destination 241 ASDHalt RG. Street JORSISTOWID County Dollvery State 15905 Route Address A Street Soldward Recision Recis	RECEIVED,	subject	to the classifications and tariffs in effect on the da	te of the issue of this	Bill of lading,				
Consigned TO JORSICOVID Recisionals 2019632 On Coded on Delivery Stipments, the interaction must appear before consupervise cannot on an otherwise provided in som 50, Sec. 1. Destination 241 ASDHalt RG. Street JORSISTOWID County Dollvery State 15905 Route Address A Street Soldward Recision Recis	at D:	Luo	ck Twp. (Da	te) 4-25-	10	FROM SRI	IR?Cabo	た	
Consigned TO JORSICOVID Recisionals 2019632 On Coded on Delivery Stipments, the interaction must appear before consupervise cannot on an otherwise provided in som 50, Sec. 1. Destination 241 ASDHalt RG. Street JORSISTOWID County Dollvery State 15905 Route Address A Street Soldward Recision Recis	the property throughout the or routes, or of said route Bill of Ladin Shipper hereby and the said	described s contrac within to desti g set fo y certifies terms ar	below, in apparent good order, except as noted (conter as meaning any person or corporation in possession the territory of its highway operations, collerants to contain and as to each perty as any time intersect or the (1) in the Uniform Preight Classification in effects that he is familiar with all the terms and condition of conditions are bereby agreed to by the stipper and	ents and condition of a on of the property under deliver to another carrie in all or any of said on the date hereof, it ons of the said bill of accepted for himself	contents of packages unknown the contract) agrees for on the route to said property, that every servit this is a rail or rail- of lading, including those and his assigns	nown), marked, consigned, to carry to its usual pit to destination. It is mutually its to be performed hereu water shipment, or (2) in on the back thereof, set	and destined as given of delivery at a spreed, as so element thall be subjet the applicable mo forth in the classification.	own below, which said destination, i ich carrier of all ict to all the term for carrier classifies sofication or tariff	stad company (the word company being understood if on its own nailroad, water line, highway mule or say of said property over all or any portion is and conditions of the Uniform Domestic Outagin islan or start if this is a motor course shipment which governs the transportation of this shipment.
Delivering Carrier Collect on Delivery \$ And Remit to Street Collect On Delivery \$ And Remit to Car or Vehicle Initials and No. Street Collect On Delivery \$ And Remit to Street Collect On Delivery \$ And Remit to Street Collect On Delivery \$ And Remit to Street Collect On Delivery \$ And Remit to Street Collect On Delivery \$ And Remit to Street Collect On Delivery \$ And Remit to Street Collect On Delivery \$ And Remit to Street Collect On Delivery \$ And Remit to Street Collect Onex Collect On Collect On Delivery \$ And Remit to Street Collect Onex Collect One Collect One Collect One Collect One Collect One Collect One Collect One Collect One Collect One Collect One Collect Onex Collect One Collect On					(Milliot Elline)	address for burboses or not	fication only.)		is to be delivered to the consigner without recourse on the consignor, the consignor shall sign the
Delivering Carrier County Dalivery Address NTo be filled in only when alleged eleters and governing tariffs provide for cellowey harvast) Car or Vehicle Initials and No. Car or Vehicle Initials and No. Street City State Name County City County City County City County City County City County City County City County City County City City County City City County City County City City City County Ci			The state of the s	-					The carrier shall not make delivery of this shipment without payment of freight and all other
Delivering Carrier Collect on Delivery \$	Destination	<u>ک</u> nn	41 ASUNAIT EQ.	Street		Jonnsed	IIWC		lawful charges
Delivering Carrier Car or Vehicle Initials and No. Collect on Delivery \$			County	517	Solivon.	State 1590	<u> </u>	Zip	
Delivering Carrier Car or Vehicle Initials and No. Collect on Delivery \$	Route			<u>`</u>	ddress*				
Collect on Delivery \$ And Remit to Street City State City State Consignee Country Consignee Country Consignee Country Consignee Country Consignee Country Consignee Country Consignee Country Consignee Country Consignee Country Consignee Country Consignee Country Country Consignee Country									
Street Street City State No. Packages No. Rind of Package, Description of Articles, Special Marks, and Exceptions 1 102C Watter 1 102C Watter 1 2 2 3 37-115-20150 Fig. 1 37-115-20150 Fig. 1 37-115-20150 Fig. 1 37-115-20150 Fig. 1 37-115-20150 Fig. 1 37-115-20150 Fig. 1 37-115-20150 Fig. 1 37-115-20150 Fig. 1 37-115-20150 Fig. 1 37-115-20150 Fig. 1 37-115-20150 Fig. 1 37-115-20150 Fig. 1 38-4 Watter are to be prepaid, write or described hereon. Fig. 1 38-4 Watter are to be prepaid, write or described hereon. Fig. 1 38-4 Watter are to be prepaid, write or described hereon. Fig. 1 38-4 Watter are to be prepaid, write or described hereon. Fig. 1 38-4 Watter are to be prepaid, write or described hereon. Fig. 2 38-4 Watter are to be prepaid. Fig. 2 38-4 Watter are to be prepaid. Fig. 2 48-4 Watter are to be prepaid. Fig. 3 48-4 Watter are to be prepaid. Fig. 2 48-4 Watter are to be prepaid. Fig. 2 48-4 Watter are to be prepaid. Fig. 2 48-4 Watter are to be prepaid. Fig. 2 48-4 Watter are to be prepaid. Fig. 2 48-4 Watter are to be prepaid. Fig. 2 48-4 Watter are to	-								Paid by
Peckages HM Rod of Package, Description of Adultes, Special Marks, and Exceptions to Committee Column 1 1020 Water 4620 Call Received 1 to proper more than the charges on the property described hereon. Agent or Cashier Per Office agrandure here actinowizedges only the anomar prepaid) Charges Advanced: 1 The fibre containers used for this physical motion of Rule 41 of the Uniform Project Lastification of R			_						If charges are to be prepaid, write or stamp here, "To be Propaid"
Received 1 to apply in prepayment of the charges on the propert described hereon. Agent or Cashier Agent or Cashier Agent or Cashier The anguature here acknowledges only the annount prepaid.) Charges Advanced: S 1 The fifter containen used for this chipment moves between two ports by a carner by water, the law requires that the Built of leading shall state whether it is carrier's or thipper's weight NOTE—Where the rate is dependent on value, happers are required to state specifically in writing the agreed or declared value of the property. The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding	No. Packages	н.м	Kind of Package, Description of Articles	, Special Marks, and Exce	ptions	*Weight (Subject to Correction)		Check Column	
Agent or Cashier For The argument of the charges on the propert described hereon. Agent or Cashier For The argument here acknowledges only the animal part of the segment here acknowledges only the amount prepaid. Charges Advanced: 51216 The fibre containen used for this shipment conform to the preperties and the shipment moves between two ports by a carmer by water, the law requires that the bill of linding shall state whether it is carrier's or thipper's weight The agreed or declared value of the property is hereby specifically is writing the agreed or declared value of the property. The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding.	1_		load water			4620	gal		Received \$ to apply
Agent or Cashier Agent or Cashier For The agenture here acknowledges only the anount prepoid.) Charges Advanced: Charges Advanced: The fibre containen used for this chipmen conform to the specifications set forth in the bemaker's certificate thereon, and all other requirement of Rule 41 of the Uniform Freignand Classification of Rule 41 of the Uniform Freignand of Rule 5 of the National Motor Freignand Rule 5 of the National Rule 5 of the National Rule 5 of the National Rule 5			≓1						in prepayment of the charges on the property
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding	> p=#								Agent or Cashier
The fibre containen used for this shipmen conform to the specifications set forth in the boundar's certificate thereon, and all other requirement of Rule 41 of the Uniform Freight Classification of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight NOTE—Where the rate is dependent on value, happers are required to state specifically in writing the agreed or declared value of the property. The agreed or declared value of the property is hereby specifically stated by the shippers to be not exceeding per									the amount prepaid.)
conform to the specifications set forth in the the maker's restrictable thereon, and all bear requirement of Rule 41 of the Linform Presigns Chamification and Rule 5 of the National Motor French NOTE—Where the rate is dependent on value, shipper is see equired to state specifically in writing the agreed or declared value of the property. The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per	<u> </u>	-	37-115-20150				+		Cialgo Autolica.
maker's certificate thereon, and all other requirement of Rule 41 of the Uniform Freight Classification of Rule 41 of the Uniform Freight Classification of Rule 41 of the Uniform Freight Classification of Rule 5 of the National Motor Freight NOTE—When the rate is dependent on value, shappers are required to state specifically in writing the agreed or declared value of the property. The agreed or declared value of the property is hereby specifically stated by the shippers to be not exceeding per	<u> Truci</u>	11	125						† The fibre containers used for this shipment
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding. The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding.			7XP3184						maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight
P Ma	NOTE Where	the fate is	dependent on value, shippers are required to state specifically in	writing the agreed or decla	ared value of the property.	veight	per		†Shipper's imprint in heu of stamp; not a part of bill of lading approved by the Interstate
	lu:	11/1	MA	_ Shipper, Per_					Agent

Per

RECEIVED, subject to the classifications and tariffs in effect on the date of the Issue of this Bill of lading,

at Dinock Twp.

(Date) 4-25-10 FROM SPWR/
the property described below, in apparent good order, except as noted teostenss and condution of contents of packages unknown), marked, consigned, and destuding this contract as measuring any person or corporation in possession of the property under the conducting agrees to carry to fit usual place of routes, or which the territory of its highway operations, bullerwise to deliver to another Camer on the route to aid destination. It is mutually agree of said four to destination, and as to each party at any time interested in all or any of taid property. Dust every service to be performed hereunder is all the said property. The said containing the said destination is the said destination. It is mutually agree of the said this is a rail or malwager shippent, or (2) in the sq. Shipper hereby certifies that fit is familiar with all the terms and conditions of the said this is rail or malwager shippent, or (2) in the sq. the said destination of the said destination of the said that said earns and conditions are hereby agreet to by the shipper and accepted for himself said as assigns.

_ Street _

Delivery Address Address Address

Shipper, Per

_ And Remit to _

Consigned TO Johantown Regional Sewage On Collection Delivery Shipments, the letters "COD" must appear before consigned's name or as otherwise provided in Item 430, Sec. 1.

Street

#1

<u>load water</u>

37-115-20150

51243

The agreed or declared value of the property is hereby specific

Kind of Package, Description of Articles, Special Marks, and Exceptions

Carrier's Name: Cannel Trucking

Destination 241 Asphalt Rd.

Route_

Delivering Carrier . Collect on Delivery \$ _

AFE;

API

Permanent post-office address of shipper,

нм jes

ORIGINAL - NOT NEGOTIABLE

__ Car or Vehicle Initials and No.

GOTIABLE		Shipp	er's No. <u>2384</u>
		Carrie	r's No.
FROM SPI DOWN). marked, consigned, a no carry to its usual plat destination. It is must be to be performed here water shipment, or (2) in more than the control of the on the back thereof, set	VR/Cabo ord destined as show ce of delivery as to agreed, as to each der shall be subject the applicable motor forth in the class.	vo below, which said destination is to all the server of all to all the server rearrier classifies fication or tariff	scald company (the word company being understood of on its own militoad, waster line, highway route or any of said property over all or any portion is and conductous of the Uniform Domester Simight tion or tunff if this is a motor canner shipment, which governs we transportation of this bilipment,
address for purposes of notif	lcation only)		Subject to Section 7 of conditions, if this shipment is to be delivered to the consigner without recourse
430, Sec. 1. <u>Johsntos</u> State <u>159</u>			is to be delivered to the consigner without recourse on the consigner, the consignor shall sign the following maternets. The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.
ning tariffs provide for deliver	y thereat.)		(Signature of consignor.)
icle Initials and No)		C. O. D. Charges to be Paid by Shipper Consignee
City		State	If charges are to be prepaid, write or stamp here. "To be Prepaid."
*Weight (Subject to Correction)	Class or Rate	Check Column	
4620	xçal		Received \$
· · · · · · · · · · · · · · · · · · ·			Agent or Cashier
			Per (The signature here acknowledges only the amount prepaid) Charges Advanced:
eight.			t "The fibre containers used for this shipmen conform to the specifications set forth in the box maker's certificate thereon, and all other requirement of Rule 41 of the Uniform Freight Classification of the National Monor Freight Classification."
	***		†Shipper's imprint in lies of stamp, not a part of bill of lading approved by the Interstate Communication

CABOT-EPA 007312

Agent

STRAIGHT BILL OF LADING-SHORT FORM ORIGINAL - NOT NEGOTIABLE Shipper's No. __2385 Carrier's Name: Barron Trucking Carrier's No. RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading, FROM SRWR?Cabto at Dimock Twp. 4-25-10 (Date) Johnstown RegionalS ewage Destination 241 Aschalt Rd johnstown Street_ City 15906 . County . State . Zip Delivery * Route. C. O. D. Charges to be Delivering Carrier. _Car or Vehicle Initials and No. Paid by Collect on Delivery \$. And Remit to _ City State Weight (Subject to Correction) HM. Kind of Package, Description of Articles, Special Marks, and Exceptions 4520 <u>load water</u> qal ent of the charges on the pr Agent or Cashier AFE 51243 API 37-115-20150 Truc ty if heriby specifically stated by the shipper to be not exceeding . Shipper, Per . Agent Permanent post-office address of shipper, Per

ORIGINAL - NOT NEGOTIABLE

Shipper's No. 2386

Carrier's						Carrie	er's No.
		to the classifications and tariffs in effect on the date					
at Dia	lock	TWO. (Date	e) 4-25-10	FROM_S	RWR?Cabt	.0	
the property of throughout that or routes, or of said route Bill of Ladin Shipper hereby and the said	described s contract within to desting g set for y certifies terms an	Date Living a populated good order, except as noted (content as meaning any person or corporation in possession be territary of the highway operations, otherwise to delistion, and as to each party at any time interested in the (1) in the Uniform Person Classification is effect to that he is familiar with all the terms and conditions decendated and conditions are horeby acred to by the Stipper and decendations are horeby acred to by the Stipper and	and condition of contents of pact of the property under the contract view to another carrier on the row all or any of said property, that on on the date hereof, if this is a ro s of the said bill of lading, inclu- ancepted for himself and his assigna	tages unknown), marked, consist pages to carry to us us to said destination. It is every service to be performed if or rail-water shipment, or ding those on the back there is the constant of	gned, and destined as shall place of delivery as mutually agreed, as to hereunder shall be subject) in the applicable on of, set forth in the cla	nown below which said destination, it said destination, it said the terms of all the terms of correct classification or tariff	said company the word company being understood fon its own railroad, water line, highway rout or say of said property over all or any portions and condutions of the Uniform Domestic Straightion or teaff if this is a notion carrier shipment which governs the transportation of lifts shipment
		Johantown Recion on Delivery Shipments, the latters "COD" must appear before	(M)	all or street address for purposes	of notification only.)		Subject to Section 7 of conditions, if this shipmen is to be delivered to the consignee without recours on the consignor, the consignor shall sign the following statement.
					* + 0 1.22		The carner shall not make delivery of the
Destination	on	241 Aspahtl Rd.	Street			City	lawful charges.
		County	Peliyan	State	15906	Zip	
Route		County(*	Address*_				
							(Signature of consignor.)
Delivering	Carri	er	Ca	r or Vehicle Initials ar	id No		C. O. D. Charges to be
Collect or	n Deliv	ery \$	And Remit to				☐ Shipper ☐ Consignee
		Street		Cit	/	State	If charges are to be prepaid, write of stamp here, "To be Prepaid."
٦. ges	H.M.	Kind of Package, Description of Articles, S	Special Marks, and Exceptions	"Weight (Sub)d to Correction	ct Class or Rate	Check Column	
1		load water		4620	cal		Received \$
5 WY-4	<u> </u>	51243					Agent or Cashier
	1-	<u> </u>	·				(The signature here acknowledges only the amount prepaid)
ADT		27-115-20150		-			Charges Advanced
Pruck	: #	3-16 Pas	7				\$
Plate		AF73454PA QX	(FJ 9960				conform to the specifications set forth in the be maker's certificate thereon, and all other requirement of Rule 41 of the Uniform Freight Classificati and Rule 5 of the National Motor Freight Classification."
NOTE -When	e the rate s	tween two ports by a carrier by water, the law requires that the bill a dependent on value, shippers are required to state specifically in a shape of the property is hereby a secifically stated by the	writing the agreed or declared value of the	r shipper's weight. property.	per		TShipper's imprint in her of stamp; not a p of bilt of lading approved by the Interst Commerce Commission
	2	kundette_	_ Shipper, Per				Age
Permanent address of s		C9			Per		
				\int			

STRAIGHT BILL OF LADING—SHORT FORM		RM ORIGINAL -	ORIGINAL - NOT NEGOTIABLE S			Shipper's No. <u>SG-520</u>	
Carrier's Name					Carrie	r's No. 396253	
	o the classifications and tariffs in effect on the date	<u>-</u> :					
the property described throughout this contract or routes, or within it of said route to deximation of Lading set for Shipper hereby certifies and the said terms and	ck Twp e (Date sheet) and the sheet of content as meaning any person or corporation in possession in terminary of its highway operations, otherwise to delicino, and as to each parry at any time interested in h (1) in the Uniform Frieder Classification in effect that he is familiar with all the terms and confident conditions are berety agreed to by the shapper said.	a) 4-25-10 s and condition of contents of pack of the property under the contract were to another earnier on the route all or any of said property, that e in the date hereo, if this is a rai of the said bill of lading, include accepted for himself and his assigns.	FROM SP. oges unknown), marked, consigned,) agrees to carry to its usual p t to said destination. It is motual very service to be performed here it or rail-water shipment, or (2) h long those on the back thereof, a	and destined as she have of delivery at ly agreed, as to escuber shall be subject in the applicable most forth in the class	own below, which said destination, it carrier of all the termination carrier classification or tariff	said company (the word company being understood on its own rulfread, water line, highway route or any of said property over all or any portion, and conditions of the Uniform Donastic Strught line or uniform that is a company of the company which governs the transportation of this alignment,	
	Sunbury Generation on Delivery Shipments, the letters "COD" must appear before	(Ma	ul or street address for purposes of no	tification only.)		Subject to Section 7 of conditions, if this shipment is to be delivered to the consignes without recourse on the consignor, the consignor shall sign the following statement:	
	old TraiLR G.			D am	Citv	The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges	
	County	PA			Zip		
		Delivery ★Address	State				
	(*	to be titled in only when shipper desires	and governing tanits provide for deliv-	ery thereat.)		(Signature of consignor.)	
-	er					C. O. D. Charges to be Paid by	
Collect on Deliv	ery \$	And Remit to _				☐ Shipper ☐ Consignee	
			City		State	If charges are to be prepaid, write stamp here. To be Prepaid	
No. Packages H.M.	Kind of Package, Description of Articles, S	pecial Marks, and Exceptions	*Weight (Subject to Correction)	Cines or Rate	Check Column	'	
1	load water		GG00	gal		Received \$to apply	
	#1					is prepayment of the charges on the property described hereon.	
						Agent or Cashier	
APE	51243					Per The signature here acknowledges only	
API#	37-115-20150					the unbont prepaid.) Charges Advanced:	
Truckë	622					The fibre containers used for this shipmen	
_Plate#	AF55386					conform to the specifications set forth in the bos maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Preight Classification and Rule 5 of the National Motor Freight Classification."	
NOTE —Where the rate is	ween two ports by a carrier by water, the law requires that the bill dependent on value, shippers are required to state specifically in a cause of the property is hereby specifically stated by the	viting the agreed or declared value of the p	shipper a weight property.	per		TSkapper's impriot in heat of stamp, not a par of bill of lading approved by the Interstate Commerce Commission	
		Shipper, Per			// / /	Agen	
Permanent post-offi address of shipper,	CB			Per /	for My	<u> </u>	
		•	$\{$				

DIM0227454 DIM0228548

ORIGINAL - NOT NEGOTIABLE

Shipper's No. SG-521

	Sunbury Canes	(Mail	or street address for purposes of notifi	cation only.)		and company the word company being understood on compose indirent, wester likes highway read or any of said property over all or any porter and conditions of the Undern Domestic Straighton or tent's if his is a motor carrier thipmen which governs the transportation of this shapmen. Subject to Section 7 of conditions, if this alseptine is to be delivered to the consigner without recount on the consigner without recount on the consigner said sign it
	ry Shipments, the letters "COO" must appear bet "TrailR 6.	Street	XXXXXXSnam	okin D	3.13 City	following statement: The carrier shall not make delivery of the shipment without payment of freight and all other lawful charges.
	County		State1787	6	Z ip	
10016		(*To be filled in only when shipper desires a	ind governing tariffs provide for deliver	(thereal)		(Signature of consignor.)
Delivering Carrier		Card	or Vehicle Initials and No			C. O. D. Charges to be Paid by
Collect on Delivery \$.		And Remit to				☐ Shipper ☐ Consignee
	Street				State	If charges are to be prepaid, write of stamp here, "To be Prepaid."
35 H.M.	Kind of Package, Description of Articles	s, Special Marks, and Exceptions	"Weight (Subject to Correction)	Class or Rate	Check Column	
	land unton		6 6 00	~ 3		
-	<u>load water</u>			gal		Received S to app in prepayment of the charges on the proper described hereon
	<u> </u>			 		Agent or Cashier
NFE#	51243					
						(The signature here acknowledges only the amount prepaid)
API	37-115-20150	<u> </u>		 		Charges Advanced.
fruck# (22		}			The fibre containers used for this shipme
	P55386					conform to the specifications set forth in the b maker's certificate thereon, and all other requirement of Rule 41 of the Uniform Freight Classificati and Rule 5 of the National Motor Freigh
	ports by a carrier by water, the law requires that the bion value, shippers are required to state specifically	ill of lading shall state whether it is carner's or s a writing the agreed or declared value of the pro-	hipper's weight.	<u> </u>		Classification " tShipper's impring in lieu of gamp; not a p
The agreed or declared value of	the property is hereby specifically stated by	the shipper to be not exceeding		per		of bill of lading approved by the Interst Commerce Commission

ORIGINAL - NOT NEGOTIABLE

A	^ ~ ~ ~	
Shipper's No.	2301	

		Cannel Trucking to the classifications and tariffs in effect on the date	of the issue of this Bill of leding	-		Carrie	er's No.
	•		- -	EDOM "	roun Inst	206	
at	described	CK TWD. (Dat	(4-26-10)	FROM S	and destined as sho	yn below, which	said company (the word company being understood
throughout the or routes, or of said route Bill of Ladin Shapper herebend the said	s contract within to to destar g set for y certifies terms an	below, in apparent good order, except its noted (content is meaning any person or corporation in possession to territory of its highway operations, otherwise to distinct, and as to exact perty at any time interview is the first of the control of	of the property under the contract) iver to another carrier on the route it all or any of said property, that even in the date hereof, if this is a rail of the said bill of lading, including accessed for himself and his surjets.	agrees to carry to its usual plot gaid destination. It is mutually acrylics to be performed heres or ruit-water shipment, or (2) in those on the back thereof, se	ace of delivery at ly agreed, as to ea- inder shall be subject the applicable mot at forth in the class	eard destination, s ch carrier of all it to all the terms or carrier classifica sification or tariff	I on its own restroad, water line, highway rouse or any of sad property over all or any portion a and condutions of the Uniform Domestic Straight ition or cariff if this is a motor carrier shapment which governs the transportation of this shapment
		Johnstown Reci	(Mail e	or street address for purposes of not	ification only.)		Subject to Section 7 of conditions, if this shipment is to be delivered to the consigner without recourse on the consignor, the consignor shall sign the following statement:
Destination		241 Asphatl Rd.	Ohno oh	Johnston	'n	Cita	The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.
Destination	JII	0	Delivery Address* To be filled in only when ahipper dealres ar	21-t- 1 F	906	City	1
Davida		County	Delivery	State		Zip	
Houte		(*	To be filled in only when shipper desires ar	d governing tantis provide for delive	ry thereal)		(Signature of consignor.)
Delivering	Carrie	ər	Caro	r Vehicle Initials and N	0		C. O. D. Charges to be
Collect or	n Deliv	ery \$	And Remit to			,	Paid by ☐ Consignee
		Chront		City		State	If charges are to be prepaid, write or storag here, "To be Prepaid"
No. Packages	нм	Street	pecial Marks, and Exceptions	*Weight (Subject to Correction)	Class or Rate	Check Column	,
1		loag water		4620	gal		Received \$ to appl
		#1					Received \$
2.7375./							Agent or Cashier
AFDS	1	51243					The signature here acknowledges only
APTS	1 1	37-115-20150					the amount prepaid) Charges Advanced
		4					1
Truck	i.	0 /					† "The fibre containers used for this shipme:
Plate	4	A = 35000	4				conform to the specifications set forth in the bo- maker's certificate thereon, and all other requiremen- of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freigi
*If the shipment NOTE —Where	moves bet the rate is	ween two ports by a carrier by water, the law requires that the bill dependent on value, shippers are required to state specifically in a	of lading shall state whether it is carrier's or shariting the agreed or declared value of the prop	ipper's weight. perty.			Clussification." †Shipper's imprint in lieu of stamp; not a part of bill of lading approved by the intersta
		value of the property is figurely specifically stated by the			per		Commerce Commission
		W	Shipper, Per				Ager
Permanent p	ost-offic	Je P			Per		
			Ι				

SI HAIGH I BILL	OF LADING—SHORT FURIN	ORIGINAL - NOT N	IEGOTIABLE		Shippe	er's No. <u>2338</u>
Carrier's Name:	annel Trucking				Carrie	r's No.
RECEIVED, subject to the	classifications and tariffs in effect on the date of the iss					· · · · · · · · · · · · · · · · · · ·
at Dimock	TVD. (Date) 4-	26-10	FROM SEN	R?Cabto)	
the property described below, throughout this contract as n or routes, or within the terr of said route to destination, Bill of Lading set forth [1] Shipper hereby certifies that and the said terms and condi-	in apparent good order, except as noted (contents and contents and contents and contents of the period or corporation in possession of the prictory of its highway operations, otherwise to deliver to at and as to cach party at any time interested in all or an its the Uniform Freight Classification in effect on the date is tomake with all the terms and conductor to the term of the content of the	dition of contents of packages uniforerty under the contract) agrees other carrier on the route to say, of said property, that every see hereof, if this is a rail or related bill of lading, including those himself and his assigns	known), marked, consigned, a to carry to its usual pla d destination. It is musually vice to be performed hereu al-water shipment, or (2) is se on the back thereof, act	nd destined as show the of delivery at a agreed, as to car ider shall be subject the applicable moto forth in the classi	on below, which is aid destination, if he carrier of all is terms of carrier classification or tariff	said company (the word company being understood on any of said property over all or any portion is and conditions of the Uniform Domestic Straight ition or tanff if thus is a motor carrer chipment, which governs the transportation of this shipment,
	Tolunstown Regional Ivery Shipmanis, the letters "COD" must appear before consignee	(Mail or stre	et address for purposes of noti:	ication only.)		Subject to Section 7 of conditions, if this shipment is to be delivered to the consigner without recourse on the consignor, the consignor shall sign the following statement.
	ivery Shipments, the letters "COD" must appear before consignee 1 ASpantl Rd.			m	0.1	The curner shall not make delivery of this shipment without payment of freight and all other tawful charges.
Destination	County	PA			City	with Charges,
Route	County(±To be filled	Delivery ——Address★	Otate			
						(Signature of consignor.)
-						C. O. D. Charges to be Paid by Shipper Consignee
Collect on Delivery \$	\$	And Hemit to				If charges are to be prepaid, write or stamp here, "To be Prepaid"
	Street		CityCity	1 2 1	State	stamp here, "To be Prepaid "
8 H.M.	Kind of Package, Description of Articles, Special Mar	s, and Exceptions	to Correction)	Ciass or Rate	Check Column	
1	load water		4520	gal		Received \$to apply
	£1					in prepayment of the charges on the property described hereon.
APE#	51243					Agent or Cashier
						Per (The signature here acknowledges only the amount prepaid.) Charges Advanced.
ADI#	37-115-20150					Citalges rectalists.
Truck	71					t The fibre containers used for this shipment conform to the specifications set forth in the box
Plate#	AE5767612					maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Preight Classification and Rule 5 of the National Motor Freight Classification."
NOTE -Where the rate is depend	wo ports by a fartier by water, the law requires that the bill of lading she lent on value, shippers are required to state specifically in writing the s of the property is hereby specifically stated by the shipper to	greed or declared value of the property.	s weight	Dèr		tShipper's imprint in lieu of stamp; not a par of bill of lading approved by the interstate Commerce Commission
						<u> </u>
	Shipp	er, Per		<u> </u>		Agen
Permanent post-office address of shipper,		_		Per		
		47				
		L				

ORIGINAL - NOT NEGOTIABLE

Shipper's No	2389	

Consigned TO	Clow, in apparent good order, except as hoted (contents as meaning any person or corporation in possession as meaning any person or corporation in possession as meaning any person or corporation in possession and as to each party at any dime interested in a h. (1) in the Uniform Freight Classification in effect on that he its firmiliar with all the terms and conditions conditions are hereby agreed to by the shipper and as an experience of the condition of the c	LS <u>eWage</u> onsignee's name or as otherwise provid	or street address for purposes of rictal ed in item 430, Sec. 1.	agreed, as to be der shall be such the applicable mo forth in the cla- sication only.)	nch carrier of all cruis and the all the carrier classification or tankf	or any of said property over all or any portions and conditions of the Uniform Domestic Statight airon or tanff of this is a motor carrier shipment which governs the transportation of this shipment is to be delivered to the consigner without recourse on the consignor. The carrier shall some tollowing statement. The carrier shall not make delivery of this shipment without payment of freight and all other involte tharpers.
	County	Dλ	State159	906	Zi p	
Route	County(*T	Address*_	and any arriver to different data for dally as	, though t		(Signalure of consignor)
)r					C. O. D. Charges to be
_	ery \$					Paid by ☐ Shipper ☐ Consignee
	Street		City		State	If charges are to be prepaid, write or stamp here, "To be Prepaid"
No. Packages H.M.	Kind of Package, Description of Articles, Sp	ecial Marks, and Exceptions	"Weight (Subject to Correction)	Class or Rate	Check Column	
1	load water		4620	çal		Received S to apply in prepayment of the charges on the property described hereon
	i i	1				
大京党(学	51243					Agent or Cashier
						(The signature here acknowledges only the amount prepaid)
APT#	37-115-20150			ļ	•	Charges Advanced
Pruck#	/25					The libre containers used for this shipmen
Plate#	4413184					conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Uniform Freight Classification and Rule 5 of the National Motor Freigh
"If the shipment-moves bet NOTE —Where the rate is	ween two ports by a carrier by water, the law requires that the bill of dependent on value, shippers are required to state specifically in wr value of the property is hereby specifically stated by the s		inpper's weight. openy	per		Classification: †Shipper's imprint in here of stamp, not a par of bill of lading approved by the Interstate Commerce Commission.
1. M						
)	,• O-	Shipper, Per				Agen

STRAIGHT BILL OF LADING—SHORT FORM			ORIGINAL -	ORIGINAL - NOT NEGOTIABLE Shipp			oper's No. <u>2390</u>	
		Barron Trucking				Carrie	r's No.	
		the classifications and tariffs in effect on the date of the						
the property throughout the or routes, or of said route Bill of Ladin Shipper herb and the said	described by the contract within the destroy certifies terms and	CIWO . (Date) clow. in apparent good order, except as noted (coatents and as meaning any person or corporation in possession of its interview of its highway operations, otherwise to deliver in ion, and as to each pury at any time interested in all of (1) as the Uniform Preight Classification in effect on the half has its familiar with all the series and conditions of conditions are thereby agreed to by the hipper and accept	4-25-10 condition of contents of pocks the property under the contract) or another carrier on the route any of said property, that exclude hereof, if this is a rail the said bill of lading, included for howelf and his assients.	ges unknown), marked, consigned, agrees to carry to its usual p to said destination. It is mutual rery service to be performed here or rail-water thipment, or (21) ing those on the back thereof, s	and destined as she lace of delivery at ly agreed, as to ea under shall be subject in the applicable more of forth in the class	wan below, which said destination, is chicarrier of all ci to all the term for carrier classification or tanff	said company (the word company being understood on its own raintood, water line, highway route or any of said property over all or any portions and conditions of the Uniform Domestic Straight tion or tariff if this is a mote carms hipment, which governs the unsuportation of this hipment,	
Consigne	OThe	Johnstown Reciona	Mace (Ma	I or street address for purposes of no	tification only.)		Subject to Section 7 of conditions, if this shipment is to be delivered to the consignor without recourse on the consignor, the consignor shall sign the following statement:	
		on Delivery Shipments, the letters "COD" must appear before consi 1 As $paht1$ RG.				Citv	The carner shall not make delivery of this shipment without payment of freight and all other lawful charges.	
		County	PA	State1.5	5906			
Lonfe		(*Tabe	Sized in only when shipper desires	and governing tariffs provide for delive	ery thereat)		(Signature of consignor.)	
Delivering	g Carrie	r	Car	or Vehicle Initials and N	0		C. O. D. Charges to be	
Collect or	n Delive	ry \$	And Remit to _				☐ Shipper ☐ Consignee	
		Street		City		State	If charges are to be prepaid, write or stamp here, "To be Prepaid."	
_ :	H.M.	Kind of Package, Description of Articles, Specia	Marks, and Exceptions	"Weight (Subject to Correction)	Class or Rate	Check Column		
1		load water		4620	gal		Received \$to apply in prepayment of the charges on the property	
		#1					described hereon	
afe#		51243					Agent or Castuer	
							Per (The signature here acknowledges only the amount prepaid.)	
API#		37-115-20150					Charges Advanced.	
Truck		BIG BW3T					† "The fibre containers used for this shipment	
<u>Plate</u>		AF-73454-XF	J9960				conform to the specifications set forth in the box maker's certificate thereon, and all other sequirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification."	
NOTE —When	e the rate is d	een two ports by a carrier by water, the law requires that the bill of ladir ependent on value, shippers are required to state specifically in writing although the property is higherbyspecifically stated by the shipp	the agreed or declared value of the po	shipper's weight roperty	per		rishipper's imprint in lieu of stamp; not a par of bill of lading approved by the Interstate Commerce Commission	
	1	Sh	ipper, Per				Agen	
Permanent address of s				·····	Per			
		1		\mathfrak{I}				

Permanent post-office address of shipper,

STHAIGHT BILL	OF LADING—SHORT FO	ORIGINAL - NO	OT NEGOTIABLE		Shipp	ers No. <u>2391</u>
Carrier's Name:		Carrier's No.				
	classifications and tariffs in effect on the date	· · · · · · · · · · · · · · · · · · ·				-
at Dinock the property described below, throughout this contract as mor routes, or within the terrior said route to destination, it is allowed to the said route to destination, and the said terms and conductive that is and the said terms and conductive that is the said terms and conductive that is the said terms and conductive that is the said terms and conductive that is the said terms and conductive that is the said terms and conductive that is the said terms and conductive that is the said terms and conductive that is the said terms and conductive that is the said terms and conductive that is the said terms and conductive that is the said terms and conductive that is the said terms and the said terms are the said terms and the said terms are the said terms and the said terms are	in apparent good order, except as noted (content enting any person or corporation in possession flory of its highway operations, otherwise to del and as to each party at any time intensived in as the Uniform Freight Classification in effect to be is familiar with all the terms and conditions to the hereby spreed to by the shipper and	s and condition of contents of packages of the property under the content) at year to another charner on the route to all or any of said property, that every in the date better. If this is a rail of the said bill of lading, including accepted for humself and his assigns.	FROM unknown), marked, consigned, rees to carry to its useal pisses and destination it is mitual service to be performed here rank-water shipment, or (2) in those on the back thereof, se	and destined as sh ace of delivery at y agreed, as to e- inder shall be subject the applicable mo it forth in the class	below, which said destination, it carrier of all the terms for carrier classification or tariff	said company (the word company being understood in its own relireds, water lies, highway routs or any of said property over all or any portion is and conditions of the Uniform Domestic Straight not or tain! if this as a motor examin shipment, which governs the transportation of this shipment.
	Johnstown Regions	(Mail or	street address for purposes of not	dication only)		Subject to Section 7 of conditions, if this shipment is to be delivered to the consignor without recourse on the consignor, the consignor shall sign the following statement:
Destination 24	1 Aspahtl Rā.	Street	Johnstor	WIT	Citv	The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.
Pouto	County(*	P.3. Delivery	State15	905	Zip	
noute	(*	To be filled in only when shipper desires and	governing tariffs provide for delive	ry thereat)		(Signature of consignor)
-						C. O. D. Charges to be Paid by Shipper Consignee
	Street		City		State	If charges are to be prepaid, write or stamp here, "To be Prepaid"
No. Packages H.M.	Kind of Package, Description of Articles, S	pecial Marks, and Exceptions	*Weight (Subject to Correction)	Class or Rate	Check Column)
1	load water		4620	gal		Received S to apply in prepayment of the charges on the properly described hereon.
					-	Agent or Coohier
APES	51243 37_115_2015/	0				Per The signature here acknowledges only the amount prepaid.) Charges Advanced
	3 111-3	·				
Plate: Y	YB3789 /2	PT8849	PRA			† "The fibre containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification."
NOTE -Where the rate is depende	to ports by a carrier by water, the low requires that the bill of ent on value, shippers are required to state specifically in u of the property is hereby specifically stated by the	mung the agreed or declared value of the prope	per's weight. rty.	per_		Chassincation TShipper's imprint in lieu of stamp; not a port of bill of lading approved by the Interstate Commerce Commission.
Ra	for Hotte	. Shipper, Per				Agent
Permanent post-office						

CABOT-EPA 007321

DIM0227454

ORIGINAL - NOT NEGOTIABLE

Shinner's No	SG-525

Carrier's Name: US Environmental			······································		Carrie	rs No. 116683
		o the classifications and tariffs in effect on the date of the issue of this Bill of lading,				
the property de throughout this or routes, or routes, or of said route to Billi of Lading Shipper hereby and the said to	scribed to contract within the to destinate set forto certifies erms and	below. In apparent good order, except as noted (contents and condition of contents of pace as meaning any person or corporation in possistion of the property under the content is territory of its highway operations, inchervise to deliver to another carrier on the roution, and as to each party at any time interested in oil or only of said property, that is it is the Uniform Preight Classification to effect on the date thereof if this is at it and it is the interest of the property of the conditions are hereby appeal to by the shipper and accepted for humself and his assign	FROM SR. chages unknown), marked, consigned, (1) agrees to carry to its usual pl to the said destination. R is mutuall every service to be performed heree and or rail-water shipment, or (2) in ding those on the back thereof se	and destined as she ace of delivery at y agreed, ar to ear moder shall be subjet the applicable moter forth in the class	wa below, which is said destination, if ch carner of all ict to all the terms our carner classification or tanff	and company (the word company being understood on its own railroad, water line, highway route or any of said property over all or any portion to the property over all or any portion to the property over all or any portion on or tanff if that its a moor camer shapment, which governs the transportation of this shapment.
Consignos	ıΤΩ	Sunbury Generation	ABII or street address for purposes of not	fication only.)		Subject to Section 7 of conditions, if this shipment is to be delivered to the consigner without recourse on the consignor, the consignor shall sign the following statement:
		on Dokvery Shipments, the letters "COO" must appear before consigned's name or as otherwise pro		an	Citv	The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.
Destination	n	County PA	State	17866	City	in the second
Route		County Delivery Address *	State		z.p	
						(Signature of consignor.)
Delivering	Carrie	erCa	r or Vehicle Initials and N	0		C. O. D. Charges to be
Collect on	Deliv	rery \$And Remit to				Paid by □ Shipper □ Consignee
		Street	City		State	If charges are to be prepaid, write or stamp here, "To be Prepaid."
	н.м	Kind of Package, Description of Articles, Special Marks, and Exceptions	"Weight (Subject to Correction)	Class or Rate	Check Column	
1		load water	<u>€3.5€</u>	gal		Received \$10 apply
		2 1	6000			Received \$ 10 apply in prepayment of the charges on the properly described hereon.
AFZ:	7	51243				Agent or Cashier
API		37 - 115-20150				(The signature here acknowledges only the amount prepaid.) Charges Advanced.
Truc	17.5	622				\$
Ple	1	AF55346				conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight
NOTE —Where	the rue r	tween two ports by a currier by water, the law requires that the bill of lading shall state whether it is carrier's sidependent on rubie, shippers are required to state specifically in writing the agreed or declared value of the divalue of the property is hereby specifically stated by the shipper to be not exceeding	or shipper's weight. e property	per		Classification " Tassification" in lieu of stamp: not a part of bill of lading approved by the Interstate Commerce Commission.
		Shipper, Per				Agent
Permanent p address of s	post-offi hipper,	ice		Per /	It-fel	

PLINOCK TWD.

property described below, in apparent good order, except as noted (contents and condition of contents of packages outphout this content as meaning any person or corporation in possession of the property under the contract for routes, or within the textitiony of its highway operations, otherwise to deliver to another currier on the route to said route to destination, and as to each party at any limit interested in all or any of said property, that every of Lading are from it.) in the Uniform Freight Classification in effect on the data beared. If this is read or the property control that he is familiar with all the terms and conditions are briefly agend to by the shipper and accepted for himself and his assigns.

County_

loas water

<u>37-115-20150</u>

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding

51243

622

Consigned TO <u>Sunbury Ganeation</u>
On Collection Delivery Shipments, the letters "COD" must appear before consigned's name or as otherwise provided in Item 430, Sec. 1.

Kmd of Package, Description of Articles, Special Marks, and Exceptions

Street.

Shipper, Per

_And Remit to _

Carrier's Name: US Environmental

Route.

八字形型

ADT:

Permanent post-office address of shipper,

Delivering Carrier _____
Collect on Delivery \$ _

нм

ORIGINAL - NOT NEGOTIABLE

Delivery Address Address (*To be filled in only when shipper dealives and governing tariffs provide for delivery increal.)

Shamokin

State __17376

_ Car or Vehicle Initials and No.

Carrie	r's No. /16 684
-	
own below, which said destination, is the carrier of all ct to all the terms tor carrier classification or tariff	said company (the word company being understood for its own realized, water lane, highway route or any of said property over all or any portion is and conditions of the Uniform Domestic Straight toom or said! if this is a motor carrier skipment which governs the transportation of this shipment.
City	Subject to Section 7 of conditions, if this shipment is to be delivered to the consignor shall sign the following nationary, the consignor shall sign the following nationary and the consignor shall sign the following nationary of the shipment without payment of freight and all other lewful changes
Zip	
	(Signature of consignor.)
	C. O. D. Charges to be
	Paid by
	☐ Shipper ☐ Consignee
State	If charges are to be prepaid, write or stamp here, "To be Prepaid."
Check Column	·
	Received \$ to apply in prepayment of the charges on the property described hereon
	Agent or Coshier
	Per
	Charges Advanced.
	s
	† The fibre containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification

Shipper's No. SG-526

City State

"Wolght (Sublect to Correction) Class or Fate Column

REGOOD Call

Received \$ ______ wo apply in prepayment of the charges on the property described hereon

Agent or Coshier

Per The signature here acknowledges only the angular prepayment of the specifications as forth in the box make's certificate thereon, and all other regions the property of the property of the property of the property and Rate \$ of the National Motor Freight Classification."

The fibre containers used for this shipment conform to the specifications as forth in the box make's certificate thereon, and all other regions the national Motor Freight Classification."

Taking the National Motor Freight Classification."

Taking the National Motor Freight Classification."

Taking the National Motor Freight Commerce Commission.

Agent

Agent

ORIGINAL - NOT NEGOTIABLE

PSC 2 Shipper's No. 5	## 177 P
25 00	140 105448 15040 149161-10

	PSC Enviornmental	· · · · · · · · · · · · · · · · · · ·			Carrie	r's No. 'FSC-15- 349161-
RECEIVED, subject to t	he classifications and tariffs in effect on the date of the	e issue of this Bill of lading,				
at Dimock	Date)_ ow, in appearch; good order, except as noted (contents an	4-26-10 d condition of contents of packages	FROM_SRI unknown), marked, consigned, an	R/CED destined as shi	O'C own below, which :	sand company (the word company being understood
throughout this contract at or routes, or within the of said route to destination Bill of Lading set forth Shipper hereby certifies the and the said terms and of	w. in apparent good order, except as noted (contents and immeasing any person or corporations in possession of territory of its highway operations, otherwise to deliver in and as to each party at any time interested in all [1] is the Landform Pringly Classification in effects on the content of the content	the property under the contract, agr to another carrier on the source to or any of soud property, that every c date hereof, if this is a rail or the said bill of lading, including ted for himself and his assigns.	sees to carry to its tread place tand destaution. It is mutually service to be performed hereund rail-water shipment, or (2) in I shose on the back thereof, set	of delivery at agreed as to exercise the subject of applicable motors in the classification of the subject of t	said destination, if ach carrier of all act to all the terms for carrier classificat sofication or tariff	f on its own railroad, water line, highway route or any of said property over all or any portion s and conditions of the Uniform Domestic Straight ition or tanff if this is a motor camer absput- which governs the transportation of this shipment,
O	DGC Environmental	(Main or s	maer acrises for briboses or notice	ation only.)		Subject to Section 7 of conditions, if this thipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:
On Collect on	Delivery Shipments, the latters "COD" must appear before cons 73 n. Pann Rd.	- ·			O'U	The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.
Destination	75 II. PSIIII NO.	Street	10.	440	City	tawior charges.
Boute	County(*Tobi	Delivery Address	State 133	==-	Zip	
						(Signature of consignor.)
Delivering Carrier		Car or '	Vehicle Initials and No.			C. O. D. Charges to be
Collect on Deliver	y \$	And Remit to				□ Shipper □ Consignee
	Street		City		State	If charges are to be prepaid, write or stamp here. "To be Prepaid."
4 HM	Kind of Package, Description of Articles, Specia		*Weight (Subject to Correction)	Class or Rate	Check Column	
			6300			
1	load water		-5-00	gal		Received \$ to appl
	#1					in prepayment of the charges on the propert described hereon.
AFEA	E1242					Agent or Cashier
-3-72 TO P.	51243					Per
API#	37-115-20150					the amount prepaid.) Charges Advanced
	(1 2					\$
Truck#	લાઇ					† "The fibre containers used for this shipmer conform to the specifications set forth in the bo
Plate	A F 68889					maker's certificate thereon, and all other requirement of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight
"If the shipment moves between NOTE —Where the rate is dep	en two ports by a carrier by water, the low requires that the bill of lad bendent on value, shappers are required to state specifically in writin isse of the property is hereby specifically stated by the ship	g the agreed or declared value of the proper	er's weight. ly.	per		Classification "print is fieu of stamp; not a pe of bill of luding approved by the Interstat Commerce Commission.
The agreed of declared va	Si the property a nerecy specifically stated by the same				nuel E	V Stilly D Agen
Permanent post-office address of shipper,				Per		7
		ς				

ORIGINAL - NOT NEGOTIABLE

P5€ Shipper's No. <u>\$\$\$\$2490</u>

Carrier's	Name:	US Enviornmental	FOR	ASC,			Carrie	rs No. 1070	76
RECEIVED,	subject (o the classifications and tariffs in effect on the date	of the issue o	f this Bill of lading,					
at_Di	aoc	C TVD . (Date	$\frac{4-2}{}$	6-10	FROMs	ENR/CA	bot		
the property d throughout this or routes, or of said route Bill of Lading Shipper hereby and the said	escribed contract within the to destine set for certifies terms are	celow, is apparent good order, escept as noted (contents as meaning any person or comporation in possession or the british of its highway operations, totherwise to deligate the state of the person of the person of the highway operations, totherwise to deligate the tother person of the person of	s and condition of the propert iver to another all or any of in the date her of the said accepted for his	of contents of packages y under the contract) agree carrier on the route to said property, that every seof, if this is a rail or bill of lading, including a much and his assigns	unknown), marked, consigned, es to carry to its usual pit send destination it its mutually service to be performed hereu rial-water shipment, or (2) in nose on the back thereof, se	and destined as sla ace of delivery at y agreed, as to et nder shall be subje the applicable mo t forth in the clas	own below, which is said destination, if such carrier of all ect to all the terms for carrier classification or tariff	said company (the word co for its own railroad, wa or any of said property of and conditions of the Uni uon or turiff if this is a which governs the transpor	ngany being understood or line, highway soute or all or any portion iform Domestic Straight motor carner shipment, ation of this shipment.
		PSC Environmen		(Mail or s	reat address for purposes of not	fication only.)		Subject to Section 7 of ci is to be delivered to the c on the consignor, the co following statement:	enditions, if this shipment onsignee without recourse sestenor shall sign the
Destination		2772 N Dana Da					Citv	The carner shall not shipment without payment lawful charges	make delivery of this of freight and all other
Route		County(*		Delivery _ Address *					
								(Signature of	
Delivering	Carrie	er		Car or \	ehicle Initials and No	D		C. O. D. Charges	to be
Collect on	Deliv	ery \$		And Remit to				☐ Shipper	☐ Consignee
		Street			Citv		State	If charges are to stamp here, "To be Prepaid."	be prepaid, write or
No Packages	н.м.	Kind of Package, Description of Articles, S			"Weight (Subject to Correction)	Class or Rate	Check Column		
					6300			· · · · · · · · · · · · · · · · · · ·	
1		load water			2000	gal		Received 5	to apply
		61						described hereon.	targes on the property
				7.5.5.5.5.5.5.5.5.5.5.5.5.5.5.5.5.5.5.5				Agent or	Cashier
AFE#		51243	···	-		_		Per(The signature here ackno	uladas only
to make t		27 647 00475		14	LBOL# 2491	59-10		the amount prepaid.) Charges Advanced.	ricuges only
API#		37-115-20150			CBOL# 2491	1100		CALLET ASSESSED.	
Trvck		670/668		0/	ANTEN UNITE	8670		\$	used for this shipmen
Plate		AT8797H						conform to the specificate maker's certificate thereon, of Rule 41 of the Unif and Rule 5 of the Classification."	ons set forth in the bor and all other requirements from Freight Classification
NOTE Where	the rate 15	ween two ports by a carner by water, the law requires that the bill of dependent on value shippers are required to state specifically in way value of the property is hereby specifically stated by the	writing the agreed	or declared value of the property	r's weight. /-	per		Classification." †Shipper's imprint in lie of bill of lading appr Commerce Commission	ı of slamp, sot a par
							M		Agen
Permanent p	oost-offic hipper,					Per	MATI	Wilf	
				7	}		7	7	
				7					

ORIGINAL - NOT NEGOTIABLE

Shipper's No. PSC491

	US Environmental			<u> </u>	En/Carrie	r's No. 105457
	the classifications and tariffs in effect on the date of the is		EDOM SER	m /maka	-	
the property described bels throughout this contract or returned to find the property of the p	Ow, in apparent good order, except as noted (contents and con meaning any person or corporation in possession of the territory of its highway operations, otherwise to deliver to a on, and as to each perty at any time interested in all or a fine to the conditions of the conditions of the conditions of the conditions are hereby spreed to by the shipper and accepted	odition of contents of packages pruperty under the contract) against carrier on the route to the four to find property, that every ne hereof, if this is a rail or said bill of lading, including for hereof, and his contractions.	unknown), marked, consigned, a result of carry to its unual places and destination. It is mutually service to be performed hereut inside shipment, or (2) in those on the back thereof, set	nd destined as sho to of delivery at agreed, as to ca- der shall be subje- the applicable mot forth in the clos	un below, which is said destination, if ch carrier of all c t to all the terms or carrier classification inflication or tariff	and company tithe word company being understood on its own mitroad, water line, highway route or any of taid property over all or any portion and condutions of the Uniform Domestic Straight too or baiff if this is a motor carrier shipment, which governs the transportation of this shipment.
	PSC Environmetnal Delivery Shipments, the letters "COD" must appear before consigne	(IMBN U	erieer sociess for brithoses of uctil	cation only.)		Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following paterness:
				- تي	Ì	The carrier shall not make delivery of this shipment without payment of freight and all other
Destination	2773 n. Penn Rá.	Street	1044)	City	lawful charges.
	County(*To be file	Delivery_	State19490	<u> </u>	Zip	
Route	(★To be fills	Address Address Address and	governing tariffs provide for deliver	y thereat)		(Signature of consignor)
						C. O. D. Charges to be
_	ry \$					Paid by ☐ Shipper ☐ Consignee
	Street		City		State	If charges are to be prepaid, write or stamp here. To be Prepaid."
15 HML	Kind of Package, Description of Articles, Special Ma		*Weight (Subject to Correction)	Class or Rate	Check Column	
1	load water		6560	cal		
	1030 903031	······································	3300	902		Received \$to apply in prepayment of the charges on the property described hereon.
a read	51243					Agent or Cashier
	<u> </u>					(The signature here acknowledges only the amount prepaid.)
32T4	37-115-20150					Charges Advanced.
Pruch#	612 UT661				1	\$
Olatet	AF 42212 PA					onform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight
*If the shipment moves betwee NOTE — Where the rate is de	een two ports by a carrier by water, the law requires that the bill of lading st ependent on value, shippers are required to sale specifically in writing the alue of the property is hereby specifically stated by the shipper:		per's weight	l _{per} /	0	Classification 15 hipper's imprime in lieu of stamp not a part of bill of lading approved by the Interstate Commerce Commission.
	Ship;			Ma	Guza	ry Hammond US Far Agent
Permanent post-office address of shipper,				Per		

STRAIGHT B	ILL OF LADING—SHORT FORM	ORIGINAL - NOT N	EGOTIABLE		Shipp	ers No. PSC492
Carrier's Name:	us Enviconmental	ior ASC			Carrie	er's No. 107033
RECEIVED, subject to	the classifications and tanifs in effect on the date of the	e issue of this Bill of lading,				
atDimo	CIT TWD. (Date) (Date)	4-27-10	FROMSE	RWR?Cab	oた	
the property described be throughout this contract or routes, or within the of said route to destinat Bill of Lading set forth Shupper hereby certifies and the said terms and	low, in apparent good order, except as noted contents and as meaning any person or corporation has possession of it may be not be composed to the content and	he property under the contact; agrees; on another earner on the route to said or any of said property, that every served date hereof, if this is a rail or rail the said bill of lading, including those aid for himself and his assigns.	destination. It is mutually idealized to be performed hereun- water slupment or (2) in coa the back thereof, set	agreed, as to each der shall be subject the applicable moto forth in the classi	ns below, which and destination, if it is carner of all the terms rearrier classifies fication or tanff	sald company (the word company being understood f on its own runiroud, water like, highway route or any of said property over all or any spection s and conditions of the Uniform Domestic Straight tion or tantif at this is a motor currier thipment which governs the transportation of this shipment.
Consigned TO	PSC Environmental n Delivery Shipments, the letters "COD" must appear before consi		t address for purposes of notif	ication only.)		Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
	773 N. Penn Rd.			ield	Citv	The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.
	County	ÐÆ	State178		Zip	
	(+То be					
						(Signature of consignor.)
Delivering Carrie	r	Car or Vel	hicle Initials and No	·		C. O. D. Charges to be Paid by
Collect on Delive	ry \$	And Remit to				☐ Shipper ☐ Consignee
	Street		City		State	If charges are to be prepaid write or stamp here. To be Prepaid.
No. Packages H.M	Kind of Package, Description of Articles, Special	Marks, and Exceptions	*Weight (Subject to Correction)	Class or Rate	Check Column	
1	load water		6300	oal_		Received \$ to apply
	<u></u> #1					in prepayment of the charges on the property described hereon.
AFE#	51243					Agent or Cashier
API#	37-115-20150	PSLIB	or # 2491	2-10		Per (The signature here acknowledges only the amount prepard) Charges Advanced:
Truck#	620 /668	OADE	n # 7491 R# 11780	30		\$
Plated	PT878 2H	· · · · · · · · · · · · · · · · · · ·	*			t The fibre containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Role 41 of the Uniform Frught Classification and Rule 5 of the National Motor Excibit
*If the shipment moves betwee NOTE —Where the rate is de	een two ports by a carner by water, the law requires that the bill of ladin ependent on value, shappen are required to state specifically in writing value of the property is hereby specifically stated by the shipp	the agreed or declared value of the property	weight.	per		and Rule 5 of the National Motor Freight Classification." †Shipper's imprim in lies of stamp: not a port of bill of lading approved by the Interstate Commerce Commission.
	Sh	pper, Per			1	Agent
Permanent post-office address of shipper,				Per /	Lay W	Will-
		1				0

DIM0227454 DIM0228560

ORIGINAL - NOT NEGOTIABLE

Shipper's No. PSC493

PSC Bol 249143 10

Carrier's No. CCS & Bol #10041 Carrier's Name: US Environmetnal RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading, at DIRICCE TWO. (Date) 4-27-10 FROM SEWE/CADXOT.

the property described below, in apparent good order, except as noted (contents and condition of centents of packages unknown), marked, consigned, and destined as them below, which said company the word company being throughout this contract as meaning any person or corporation in postestion of the property indeed the contents agrees to early to its usual place of delivery at said destination, if on its own railroad, water line, high or routes, or within the terristory of its inhybrary operations, otherwise to deliver to another currier on the route to tail destination. It is mutually agreed, as it each carrier of all or any of said property over all or of said route to destination, and as to each party at any time interested in all or any of said property over all or of said points to destination, and set forth 1) in the Uniform Freight Canada, water line, high or routes, or within the terristory of its incomplete the control and destination. It is mutually agreed, as it each carrier of all or any of said property, when the every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Deniest Shapper hereby certifies that he as familiar with all the terms and conditions of the said bill of loding, archeding those on the back thereof, set forth in the classification or tanff which governs the transposition of this and the teast derivers and conditions are hereby agreed in by the shapper and acceptable for hissael? (Mail or street address for purposes of notification only.) Consigned TO PSC Environmental On Collection Delivery Shipments, the letters "COD" must appear before consigned's name or as otherwise provided in item 430, Sec. 1. 2773 N. Penn Rd. Delivery Address Address Vahicle Initials and No. _ County _ Zip Route _ C. O. D. Charges to be Delivering Carrier _ Paid by
☐ Shipper ☐ Consigned Collect on Delivery \$ _ _ And Remit to . City State Weight (Subject to Correction) Class or Rate Check Column Kind of Package, Description of Articles, Special Marks, and Exceptions 6300 load water gal Agent or Cashier AFT 51243 (The signature here acknowledges only the amount prepaid) 37-115-20150 The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding . Shipper, Per . Agent Permanent post-office address of shipper,

Per

STRAIG	HT B	BILL OF LADING—SHORT FORM	ORIGINAL - NOT N	EGOTIABLE		Shippe	er's No	PSC494
Carrier's	Name:	US Envisonmental FOR	1.5C			Carrie	er's No.	105437
RECEIVED,	aubisct to	o the classifications and tariffs in effect on the date of the issue of this	Bill of lading,	EDOM S	2012 /CZN	- f-		
the property of throughout this ar routes or of said route Bill of Lading Shipper hereby and the said	escribed be contract within the to destine set ford certifies terms and	to TVV c. (Date) 4-27- below. In apparent good order, except as noted (contents and condution of as meaning any person or corporation in possession of the property air enterties of its highway operations, otherwise to deliver to another cardison, and as to each perty at any fine interested in all or any of said that he test familiar with all the terms and condutions of the said bill conditions are hereby agreed to by the shipper and accepted for himself	contents of packages unk- der the contract) agrees er on the mute to said property, that every serv- if this is a rad or rad of lading, including those and his assigns	nown), marked, consigned, to carry to its usual pit destunation. It is mutual acce to be performed here-t-water shipment, or (2) is to on the back thereof, so	and destined as shows ace of delivery at six y agreed, as to each under shall be subject the applicable motor it forth in the classif	n below, which and destination, if carrier of all to all the terms carrier classification or tariff	said company f on its own or any of as s and condition tion or tariff which govern	(the word company being understood railroad, water line. highway route aid property over all or any portion so of the Uniform Domestic Strught if this is a motor carner shipment, the stransportation of this shipment.
Consigner	OTb	PSC Environmental	(man or assu	maculass for purposes or fix	fication only.)		is to be deli	vered to the consignee without recourse signor, the consignor shall sign the
		on Delivery Shipments, the letters "COD" must appear before consignee's name or 2773 IV. Penn Rd. Street			ılā	Citv	The came	r shall not make delivery of this hout payment of freight and all other
Desinano		County PA		State 19				-
Route			Address*					
Dolivaring	Carrie	(*To be illed in only who		ming teriffs provide for delive	•		-	(Signature of consignar) D. Charges to be
·		ery \$And					F	Paid by Shipper Consignee
		Street		City		State	If charge	es are to be prepaid, write or "To be Prepaid."
No. Packages	н.м.	Kind of Package, Description of Articles, Special Marks, and Exc	eptions	*Weight (Subject to Correction)	Class or Rate	Check Column		
1		load water		E¥5300	gal		Received S	nt of the charges on the property
		ÿ1					described he	reon.
AFE#		51243						Agent or Cushier
API#		37-115-20150	P5	CBOL#J	49/65-10		(The signatu the amount Charges Adva	
Truc	κ ä-	620/668	Op	DER # 11	28630		\$	e configurers used for this shipment
Plat	e#	PT 818:2H				1	maker's cert of Rule 41 and Rule	the specifications set forth in the box ficate thereon, and all other requirements of the Uniform Freight Classification 5 of the National Motor Freight
*If the shipment NOTE —Where	moves betw the rate is o	wen two ports by a carrier by water, the law requires that the bill of lading shall state whe dependent on value, shippers are required to state specifically in writing the agreed or dec value of the property is hereby specifically stated by the shipper to be not ex-	lared value of the property.	weight.	per		Classification †Shipper's of bill of Commerce	imprint in bell of stamp, not a part lading approved by the interstate
		Shipper, Per				1		Agen
Permanent p	ost-office	9			Per	fly	M	af
			1			7		

"RAIG	HT E	BILL OF LADING—SHORT FO	ORM ORIGIN	NOT NEGOTIABLE		Shipp	er's No. SG-62¥
Carrier's	Name:	US Environmental				Carrie	ers No. 69/37/2
		o the classifications and tariffs in effect on the date					
at D	imo	ck Twp. (Dat	te) 5-12-10	FROM	SRWR/C	abot	
the property of throughout this or mutes or	cscribed b Contract within th	elow, in apparent good order, except as noted (contex as meaning any person or corporation in possession e territory of its highway operations constraints to de-	nts and condition of contents of a call the property under the cont clover to mother consist on the con-	packages unknown), marked, consigned, t ract) agrees to carry to its usual pla rante to said destination of its manually	ood destined as after ce of delivery at	nwn below, which said destination, i ich cooler of all	said company (the word company being understood for its own railroad, water line, highway route or any of said property over all or any position
of said route Bill of Lading Shipper hereby and the said	to desting set forth certifies terms and	Ck TWD . (Dat leaves to some state of the control o	all or any of said property, the on the date hereof, if this is a ar of the said bill of lading in accepted for himself and his assi	at every service to be performed hereur rail or rail-water shipment, or (2) in cluding abuse on the back abereof, set gas.	ader shall be subjet the applicable mo forth in the class	ct to all the term ter curier classifica sification or tariff	s and conditions of the Uniform Domestic Straight ston or tariff if this is a motor carrier shipment which governs the transportation of this shipment
		Sunbury Generat:		(Mail or street address for purposes of notif	ication only.)		Subject to Section 7 of conditions, if this shipmen is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:
Consigned	a I Collecte	on Delivery Shipments, the letters "COD" must appear befor	a consignee's name or as otherwise p	rovided in item 430, Sec. 1.			following statement: The corrier shall not make delivery of the
Destinatio	n	Old Trail Rd.	Street	Shamoki	n Dam	Citv	The certier shall not make delivery of the shipment without payment of freight and all othe lawful charges.
		Coumby	PA	State 17	876	Zip	
Route		Godffy	Delivery Address	k			
		(1	To be filled in only when shipper des	izes and governing tartifs provide for deliver	y thereat.)		(Signature of consignor.)
Delivering	Carrie	r		ar or Vehicle Initials and No)		C. O. D. Charges to be
Collect on	Delive	ery \$	And Remit to	·			Pald by ☐ Shipper ☐ Consignee
		, , , , , , , , , , , , , , , , , , , ,					If charges are to be prepaid, write or stamp here, "To be Prepaid."
		Street				State	stamp here, "To be Prepaid."
No. Packages	H.M.	Kind of Package, Description of Articles,	Special Marks, and Exceptions	"Weight (Subject to Correction)	Class or Rate	Check Column	
1		load water		6000	gal		
		TOAU WALEL		8000	yaı		Received \$to apply in prepayment of the charges on the property
		#2					described hereon.
a totall		C1044					Agent or Cashier
AFE#	\vdash	51244			 		Per (The signature here acknowledges only
API#		3,7-115-20149		1			the amount prepaid.) Charges Advanced:
_114 4/5		3,1-113-20149			†		
Truck	#	670/668		1	1 1		t "The fibre containers used for this shipmen
		Ar OTON II					anaform to the manifications per forth in the hor
PLati	:#	1180814			1		maker's certificate thereon, and all other requirement of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification."
*If the shipment n NOTE —Where it	noves betwe he rate is de	een two ports by a carrier by water, the law requires that the bill epondent on value, shippers are required to state specifically in v	of lading shall state whether it is carrier' writing the agreed or declared value of the	s or shipper's weight. Se property.			Classification." †Shipper's impript in lieu of stamp; not a par of bill of lading approved by the Interstate
The agreed or c	Seclared v	alue of the property is hereby specifically stated by the	shipper to be not exceeding		per		Commerce Contraission.
			Shipper, Per			1	Agen
Permanent po	st-office ipper,				Per (H44-10	WALL
				71	<u></u>	1/	

DIM0227454

Carrier's Name:	US	Envioonment	al	
RECEIVED, subject to t	he classi	fications and tariffs in effect on the	ne date of the	Ŀ
at Dimock	Twp.	parent good order, except as noted	(Date)	
or coules, or within the	erritory c	purent good order, except as noted any person or corporation in po of its highway operations, otherwise is to each purty at any time laters Uniform Freight Classification in	ssession of the to deliver to	

ORIGINAL - NOT NEGOTIABLE

STRAIGHT BILL OF LADING—SHORT FORM			RM ORIGINAL - I	ORIGINAL - NOT NEGOTIABLE Shipp			oper's No. <u>SG-625</u>	
Carrier's N	lame	: US ENviconmental				Carrie	rs No. 096437	
		to the classifications and tariffs in effect on the date of	the issue of this Bill of lading,			June		
a Dimo	ock	TWD.	5-12-10	FROM	SRWR/	cabot		
the property destrictions of the coulet, or sol said route to Bill of Lading Shipper hereby and the said to	contract contract within to destin set for certifica	TWD. (Date) below, in apparent good order, except as noted (contents as metaling any person or corporation in possession as territory of its highway persons, or dervise, to deliviation, and as to creek perty at any time interested in all (1) in the Unform Person Chastification at effect on that he is familiar with all the terms and conditions to be the above the conditions are to be the subject and as	and condition of contents of packar the property under the contract) to another currier on the route to casy of said property, that ev- the date hereof, if this is a rail of the said bill of lading, includir expited for himself and his assigns.	pes traknown), marked, consigned ogrees to carry to its usual to said destination. It is mut- try service to be performed be or rail-water shipment, or (2) g those on the back thereof.	f, and destined as shipbace of delivery at tally agreed, as to extender shall be subjin the applicable moset forth in the cla	own below, which said destination, it ach carrier of all tet to all the terms too carrier classifica sailication of tariff	said company (the word company being understood on its own railroad, water line, highway route or any of said property over all or any portion is and conditions of the Uniform Domestic Struight tion or traff if this is a motor carrier, shipment, which governs the transportation of this shipment,	
Consigned	TO	Sunbury Generation	(Maii 1	or street address for purposes of	notification only.)		Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:	
		t on Dolivery Shipmonts, the latters "COD" must appear before or Old TrailR d.			Dom	6 75.	The earrier shall not make delivery of this shipment without payment of freight and all other lawful charges.	
Desunation	1	Out Train u.	Street	Ondinontal	17876	City	arriti ciagea	
Doudo		County(*To	Delivery	SIMIS		Zīp		
i ioule		(★To	be filled in only when shipper desires a	nd governing tariffs provide for dal	ivery thereat.)		(Signature of consignor.)	
Delivering Carrier Car or Vehicle Initials and No Collect on Delivery \$ And Remit to							C. O. D. Charges to be Paid by Shipper Consignee	
		Street		Citv _		State	If charges we to be prepaid, write or stump here, "To be Prepaid."	
No. Packages	н.м.	Kind of Package, Description of Articles, Spe		"Weight (Subject to Correction)	Class or Rate	Check Column		
1		load water		6 9 00	gal		Received \$ to apply in perpayment of the charges on the property	
		# X 82					described hereon.	
AFE#		5128844					Agent or Cashier	
31.67		51228444					Per (The signature here acknowledges only the amount prepaid.)	
APT#		37-115-20149					Charges Advanced:	
ruck	.	622					<u>\$</u>	
PLate		AFSS384					† "The fibre containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight	
		ween two ports by a carrier by water, the law requires that the bill of b dependent on value, shippers are required to state specifically in write value of the property is bereby specifically stated by the sh		ilpper's weight. porty.	per_		Classification." [Shipper's imprired in lieu of stamp: not a part of bill of lading approved by the Interstate Commerce Commission.	
			hipper, Per				Agent Agent	
Permanent pos address of ship	st-offic oper,	e			Per //	W/_/		

TRAIG	а нт в	ILL OF LADING—SHORT FORM	ORIGI	NOT NEGOTIABLE		Shipp	er's No SG-62(
		US Envirnmetnal of the classifications and fariffs in effect on the date of the iss	ue of this Bill of ladin	G.		Carrie	ers No. US E 801#1079
		Liow, in apparent good order, except as noted (consterns and core as menting any person or corporation in possession of the price, and as to each party at any time interested in all or an Core, and as to each party at any time interested in all or an Core, and as to each party at any time interested in all or an Core, and as to each party at any time interested in all or an Core and the control of the property			WR?Cabo and destined as sh ce of delivery at agreed, as to e nder shall be subj the applicable me forth in the ela	own below, which said destination, ach carrier of all the term for carrier classification or mail?	said company (the word company being understood f on its own railroad, water her, highway roots or my of said property over all or any portion and conditions of the Uniform Domestic Surgia and conditions of the Uniform Domestic Surgia which course the transportation of this indiment
Consigne	d TO . On Collect o	Sunbury Generation Sunbury Generation Debury Stymens, to islant COO must appear before consigned Old Trail Rd.	's name or as otherwise	provided in item 430, Sec. 1.			Subject to Service 7 of conditions, if this shipmen is to be delivered to the consigner without recours on the consigner, the consigner without recours on the consigner, the consigner shall sign the following statement: The carrier shall not make delivery of this pipment without payment of freight and all other two the charges.
		County (*To be filled					(Signature of consignor.)
Delivering	Carrie.	ry \$		Car or Vehicle Initials and No)		C. O. D. Charges to be Paid by Shipper Consignce
No. Packages	н.м.	Street Kind of Package, Description of Articles, Special Mark	s, and Exceptions	*Weight (Subject to Correction)	Class or Rate	State Check Column	If charges are to be prepaid, write of starop here, "To be Prepaid."
1		load water		6 ⊜ 00	gal		Received 3 to apply in prepayment of the charges on the propert described hereon.
AFE#		51244					Agent or Cashier Per (The signature here acknowledges only
API#		37-115-20149	·				the smount prepaid.) Charges Advanced:
	moves betwee	AF GSSAP cut two ports by a carrier by water, the law requires this the bill of lading shall peaked to rather, shippers are required to take specifically in writing the against of the property is hereby specifically stated by the shipper to		a or shipper's weight.	per		S. 7 "The fibre containers used for this shipme- conform to the specifications set forth in the bo maker's certificate thereon, and all other requirement of Rule 41 of the Uniform Freight Checkfeation of Rule 41 of the Uniform Freight Checkfeation Checkfeation of the National Storrer Freight Checkfeation of the National Storrer Freight Checkfeation of the National Storrer Freight Checkfeation of the National Storrer Freight Checkfeation of the National Storrer Checkfeation of the Nation
		Shippe	er, Per		Sum	~l Z.51	Agen

Permanent post-office address of shipper,

STRAIG	HI R	ILL OF LADING—SHOR	I FORM ORIGIN	AL - NOT NEGOTIABLE		Shipp	er's No. SG~627
4ef 1							9/1013
Carrier's RECEIVED.		US Environmet the classifications and tariffs in effect on t		lina.		Carrie	er's No. 1671 J
					SRWR	cabot	
the property of throughout this or routes, or of said route Bill of Ladia Shipper hereby and the said	described by contract within the to destina g set forth certifies terms and	elow, in apparent good order, except as noted as meaning any person or corporation in peteritory of its highway operations, otherwise also, and as to each party at any time increase, it is to the control of the conditions are hereby appeared to by the shippy conditions are hereby appeared to by the shippy	(contents and condition of contents of spession of the property under the c to deliver to another carrier on the steed in all or any of said property, effect on the date hereof, if this is conditions of the said bill of lading, or and accepted for himself and his	f packages unknown), marked, co- contract) agrees to carry to its roote to said destination, it is that every service to be perform a rail or rall-water stipment, of including those on the back that assigns.	nsigned, and destined as a usual place of delivery a manually agreed, as to ed herounder shall be sol or (2) in the applicable of tereof, set forth in the c	thown below, which at said destination, is each carrier of all ject to all the term about carrier classifies assification or tariff	said company (the word company being understood f on its own railfordd, water inn, highway route or any of said property over all or any protect as not conditions of the Uniform Demestic Straight time or starff in this is a moore currier subgeneral, which governs the transportation of this shipment,
				(Masi or street aboress for purpor	ses al notification only.)		is to be delivered to the consigner without recourse on the constenor, the consigner without recourse
		Sunbury Gener on Delivery Shipments, the letters "COD" must appe					following statement: The carrier shall not make delivery of this shipment without payment of freight and all other
Destination	on	Old Trail Rd.				City	lawful charges.
Route		County			17876	Zip	
noute			(*To be filled in only when shipper of	desires and governing tariffs provide	for delivery thereal.)		(Signature of consignor.)
-	•	r					C. O. D. Charges to be Paid by
Collect or	n Delive	ery \$	And Remit	to	 		☐ Shipper ☐ Consignee
		Street	~~.	City Stat			If charges are to be prepaid, write or stamp here, "To be Prepaid."
No. Packages	H.M.	Kind of Package, Description of A	Articles, Special Marks, and Exceptions	'Weight (Su to Correcti	bject Class on) or Rate	Check Column	
1		load water		600	0 gal		Received \$ to apply in prepayment of the charges on the property
		#2	2				described hereon.
AFE#		XXXXX51244					Agent or Cashier
API#		37~115-201	49				(The signature here acknowledges only the amount prepaid.) Charges Advanced:
Truc		120/48	4 5				
PLat	e#	AT 878 7H					f "The fibre containers used for this shipmen conform to the specification set forth in the bor maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Chastification and Rule 5 of the National Motor Freigh
		een two ports by a carrier by water, the law requires the ependent on value, shippers are required to state specifically state rature of the property is hereby specifically state		er's or shipper's weight. of the property.	рет		Classification." †Shipper's impoint in lieu of stamp; not a par of bill of lading approved by the Interstate Commerce Commission.
			Shipper, Per			1	
Permanent p	ost-office	•	••		Per ·	f WITH V	way
				$\langle 1 \rangle$		V	V

DIM0227454

		C. Haer Trucking the dassifications and tariffs in effect on the date of the issue of	this Dat at logica	· · · · · · · · · · · · · · · · · · ·	<u> </u>	Carrie	r's No.
•	•		•			1 - 1	
at Dimo	ock	TEND (Date) 5-12	2-10	FROM XX	SRWR/Ca	DOT	
property as thout this extent of	escribed to contract within the	eiow, in apparent good order, except as sound (contrata and committee as meaning any person or composition in possession of the propert e territory of its highway contrations, otherwise to deliver to another	or contratt or packages ont under the contract) agrees corries on the route to saw	novni, manaza, consigned, s to carry to its usual pio i destinazion, it is mutualty	ad destined as sho or of delivery at named, as to ea	said destination, if the carrier of all	sale company the word company being understood f on its own realroad, water line, highway route or any of said property over all or any portion
oid roise ord of Lading Shipper hereby	to destino	eture in apparent good order. Concept in based continues and an interest of the subject of continues of the subject of continues of the subject of continues of the subject	said property. that every ser- cof, if this is a rail or rai bill of lading, including thos melf and his assigns.	vice to be performed hereun l-water shipment, or (2) in a on the back thereof, set	der shalf be subject the applicable most forth in the class	et to all the terras for empley classification infication or tariff	s and conditions of the Uniform Domestic Straight tion or carif if this is a motor carrier shipment which governs the transportation of this shipment.
Consigned	dŦО	Sunbury Generation	(Mali or stree	at address for purposes of natif	cation only.)		Subject to Section 7 of conditions, if this shipment is to be delivered to the consignor without recourse on the consignor, the consignor shall sign the
C	On Collect	on Delivery Shipments, the letters "COO" must appear before consigned's nam					following statement: The exerier shall not reside delivery of this shipment without payment of freight and all other
Destinatio	n <u>01</u>	ld Trail Rd. str	eet		okin Da		lawful charges.
		County	PA	State17	376	Zip	
Route		(#To be filled in and	Delivery *				
		(★To be filled in ani	when shipper desires and gove	oming tariffs provide for daliver	r therest.)		(Signatura of consignor.)
Delivering	Carrie	or	CarorVe	hicle initials and No			C. O. D. Charges to be
.		•					Paid by ☐ Shipper ☐ Consignee
Collect on) Delive	ery \$	And Hemit to				
		Street		Citv		State	If tharges are to be prepaid, write or stamp here. "To be Prepoid."
No. Packages	нм.	Kind of Package, Description of Articles, Special Marks, are	Exceptions	"Weight (Subject to Correction)	Class or Rate	Check Column	
raciages	1			to Correction)	OL LATO	Column	
_			•	5000	,		
	╄╼╃	<u>load water</u>		AZIO.	gal		Received \$ to apply in propagation of the charges on the property
							described hereon.
	1	<u></u> 2 2		ļ	 		
	1						Agest or Cashier
<u> </u>	#	51244					Per
	{						the amount proposed.)
TCA	*	37-115-20149		<u> </u>			Charges Advanced:
		YYR-1770					s
Tru	¢×#	998-1110		<u> </u>			† The fibre containers used for this althorsen conform to the specifications set forth in the bo
							of Rule 41 of the Uniform Freight Classification
<u> 212</u>				<u> </u>			and Rule 5 of the National Motor Eneigh
E —Meca	the rate is	when two ports by a carrier by water, the law requires that the bill of lading shall state dependent on value, shippers are required to state specifically in writing the agreed of	whether it is carrier it or shipper is it declared value of the property.	redu.			fShipper's imprint in fleu of stamps not a par of bill of lading approved by the Interaction
agreed or	r declared	waive of the property is hereby specifically stated by the shipper to be a	ot exceeding	······································	per		Commerce Commission.
		Shipper, I	9er				Agen
Permanent post-office Washing 5-12-10 Per							
address of s	address of shipper. Per						
		\wedge	긴				
		\cup	1 1				

STRAIG	HTE	BILL OF LADING—SHORT FORM	ORIGINAL -	NOT NEGOTIABLE		Shipp	ers No. <u>SG-529</u>
		C. Haer Trucking				Carrie	er's No.
		to the classifications and tariffs in effect on the date of the is			/		
at D1:0 the property of throughout this or routes, or of said foulds. Shipper hereby and the said	festeribed contract within to destic g set for certifies terms av	Clubs (Date) Colors in spores pool order, except at solder (colors of the colors of th	milition of contents of pucks property under the constract; archer carrier on the roote my of said property, that er are hered, if this is said said bill of lading, including for himself and his sarryes.	pea takingum), marked, consigned, a oppier to carry to its usual pit to said destination, it is remutally recept service to be performed hereine or mal-water thinness, or 12) to an those on the back thereof, set	RYR/CZ and destined as shore of defivery at y agreet, as to a noter shall be subju- the applicable no forth in the cla	OOT which said destraitors, is to all the term tor eternar classific inference or brill inference or brill	said company (the word company being understood on its own railroad, water the highway row of the confidence of the Uniform Domestic Stripton or tentil if this is a soor carrier shipmen which governs the transportance of this shipmen which governs the transportance of this shipmen.
		Sunbury Generation	(Mas	or street address for purposes of not	fication only.)		Subject to Section 7 of conditions. If this shipme is to be delivered to the consigner without recour
Consigne	On Collect	on Delivery Stapments, the letters "COD" must appear before consigne	s's name or as otherwise provid	led in item 430, Sec. 1.			on the consignor, the consignor shall sign of following statement: The carrier shall not make delivery of a shapment without payment of freight and all of
Destination	on _0	lā TrailR č.		Shamokin		City	shipment without payment of freight and all of lowful charges.
		County	23	State173	76	Zip	
Route			Delivery Address*_	and governing tanils provide for deliver			(Signature of constance.)
Dollandas	Comi			or Vehicle Initials and No			C. O. D. Charges to be
_	•	ery \$					Paid by Shipper Consignee
		Street		City		State	If charges are to be proposed write stamp here, "I's be Proposed."
No. Packages	нм.	(Ond of Package, Description of Articles, Special Ma	ks, and Exceptions	"Weight (Subject to Correction)	Class or Rate	Check Column	
1		load water		5000	gal		Received \$
		#2					is prepayment of the charges on the proper described hereon.
<u> 유</u> 모모#		51244					Agent or Cashier
							(The signature here acknowledges only the amount prepaid.)
API,	1-1	37-115-20149			 		Charges Advanced:
Truck	ا يا.	104					
Plate		YYR-1776					† "The fibre containers used for this shipmen conform to the specifications set forth in the bo matter's cartificate thereon, and all other requirements of Role 41 of the Uniform Freight Chantification and Role 5 of the National Motor Freight
NOTE -Where	moves bet the rate is	seen two ports by a carrier by water, the law requires that the bill of bading the dependent on value, allepted are required to mate specifically in writing the a value of the property is hereby specifically stated by the shipper to	grood or declared value of the peo	hpper's weight. pery.	per		Chastification. 1Shipper's Imprint in lieu of stamp; not a part of bill of fading approved by the Intersal Commerce Commission.
		Shipp	er, Per				Ager
Permanent p address of al	ost-offic hipper,	· Cottenell o	5-12	- Zo/6	Per		
		2619	ſ	1			

DIM0227454

HIS SHIPP	PING ORDER must be legibly filled in, in Carbon, and rela	Ink, in Indelible Pencil, or in indelible Agent.			Shippe	er's No. <u>SG-630</u>
	C. Haer Trucking	e of the issue of this Bill obladicity	Mark State		Сапіе	
	CK TWD. Delew, in apparent good order, except as noted (control that meaning any persons or corporation in presenting the territory of its highway operations, otherwise to denation, and as to cach purty at any time interested in the (1) in the Uniform Priciple Chestification in effect so that he is familier with all the terms and continue as that he is familier with all the terms and continue as the continue are hereby agreed to by the although and the continue are hereby agreed to by the although and the continue are hereby agreed to by the although and the continue are hereby agreed to by the although and the continue are hereby agreed to by the although and the continue are the continue and the continue are the continue and the continue are the continue and the continue are the continue and the continue are the continue and the continue are the although the continue are the continue and the continue are the continue and the continue are the continue and the continue are the continue and the continue are the continue and the continue are the continue and the continue are the continue and the continue are the continue and the continue are the continue and the continue are the continue and the continue are the continue and the continue are the continue and the continue are the continue and the continue are the continue and the continue are the continue and the continue are the continue and the continue are the continue and the continue are the continue are the continue and the continue are th				below, which is destination, if carrier of all	caid company (the word company their standard of the sense railroad, water line, highway stooled are any of said property over all or any portion
		(Mail or stre	rvice to be performed herein all-water shipment, or (2) in spc on the back thereof, set and address for purposes of notifi-	der shall be subject the applicable motor forth in the classif callon only.)	to all the terms carrier classification or tariff	Subject to Section 7 of conditions, it this shipment
Consigned TO	ct on Delivery Shipments, the letters "COD" must appear befor Old Trail Rd.	e consignes's name or as otherwise provided in it	Shamok:		City	is to be delivered to the consigner without recourse on the consignor, the consignor shall sign the following statement: The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.
Route	· County ·	PA Delivery Address To be filled in only when dripper desires and go	JIAID	7876 (thereat.)	Zip	(Signature of consignor.)
Delivering Carri Collect on Deliv		Car or VeAnd Remit to	ehicle Initials and No	·		C. O. D. Charges to be Paid by Shipper Consignee
	Street	1 1 1 1	City		Śtate	If thought are to be prepaid, write or stamp here, "To be Prepaid."
Packages H.M.	Kind of Package, Description of Afficies,	Special Marks, and Exceptions	(Subject (a Correction)	Class or Bala	Check Column	the state of the s
1	load water		9000 8300	gal		Received 5 to apply in perpayment of the charges on the property described hereon.
AFE#	51224					Agent or Crahier
API#	37-115-20149	9	 			(The signature here acknowledges only the amount prepaid.) Charges Advanced:
Truck#	105 DE77015	P				The fittre containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Utilization Peright Cassification and Rule 5 of the National Motor Freight Classification.
*If the shipment moves be NOTE —Where the rate is	reveen two ports by a carrier by water, the law requires that the bill is dependent on value, shippers are required to state specifically in, d value of the property is hereby specifically stated by the		weight.	per_		Classification 15thper's imprine in ficu of stamp; not a per of bill of lading approved by the interstate Commission.
Permanent post-office	ioni la Carlo	Shipper, Per		, t	his Shipping	nust detach and retain r Order and must sign Bill of Lading
address of shipper,	MWar Mary 5	-12·10 -	l)	_()>		

DIM0227454

Shipper's No.	<u>SG-631</u>	_

		. C. Haer Trucking				Carrie	er's No.
		to the classifications and tariffs in effect on the date					
at Dir	noc.	k Twp. (Dat	e) 5-12-10	FROMS	RWR/Ca	bot	
the property of throughout this or routes, or of said route Bill of Lading Shipper hereby and the said	contract within to desti- set for certifier terms an	LETWD. (Dat below, in apparent good order, except as noted (content as nearing any person or corporation in possession be certified by 85 lightway operations, otherwise to de notion, and as to each party at any time interested in the (1) in the Uniform Freight Classification in effort that is to include with all the terms and condition to the conditions were all the conditions are hearty agreed to by the other and conditions are hearty agreed to by the other and conditions are hearty agreed to by the other and conditions are hearty agreed to by the other and conditions are hearty agreed to by the other and conditions are hearty agreed to by the other and conditions are hearty agreed to by the other and conditions are hearty agreed to by the other and conditions are hearty agreed to by the other and conditions are hearty agreed to be the other and the conditions are hearty agreed to be the other agreed to the conditions are all t	is and condition of contents of pack of the property under the contract liver to another carrier on the root all or any of said property, that is on the date hereof, it this is a ra- s of the said bill of lading, inclus accepted for hinstelf and his assigns	rages unknown), marked, consigned, 3 agrees to centry to lix caucal ps 5 to said destination. It is matural energy service to be performed here ill or rail-water shipment, or (2) if fing those on the back thereof, s	and destined as a clace of delivery a lly agreed, as to under shell be sub- n the applicable in ct forth in the ch	hown below, which it said destination, it each carrier of all ject to all the term notor carrier classifies assistication or tariff	sald company (the word company being understood f on its own railroad, water lace, highway couts or any of said property over all or any portion is and conditions of the Uniferent Domestic Stripes does or earlif it this is a motor currer stripesent which governs the transportation of this stripment.
		Sunbury Geneatio	(MC	all or street accress for purposes of no	tification only.)		Subject to Section 7 of conditions, if this shipmen is to be delivered to the consigner without recours on the consignor, the consignor shall sign the following statement:
		i on Delivery Shipments, the letters "000" must appear befor ld Trail Rd.			Dam	City	The earrier shall not make delivery of this shipment without payment of freight and all othe lawful charges.
		Соилту	PA Delivery Address*	State178		Zip	
Houte		· · · · · · · · · · · · · · · · · · ·	To be filled in only when shipper desired	and governing tariffs provide for deliv	ery thereat.)		(Signature of consignor.)
		er		or Vehicle Initials and N			C. O. D. Charges to be
_		rery \$					Paid by ☐ Shipper ☐ Consignee
		Street		City		State	If charges are to be prepaid, write o stamp here, "To be Prepaid."
No. Packages	H.M.	Kind of Package, Description of Articles,	Special Marks, and Exceptions	*Weight (Subject to Correction)	Class or Rais	Check Column	
1		load water		5000 5300	gal		Received \$to appl
		#3.2					in prepayment of the charges on the propert described hereon.
AFE#		51244					Agent or Cashier
API#		37-115-20149					(The signature here acknowledges only the amount prepaid.) Charges Advanced:
Truck		105					<u> </u>
	117	DE TADIC					† The fibre containers used for this shipmer conform to the specifications set forth in the be maker's certificate thereon, and all other regulerment of Rule 41 of the Uniform Freight Classification
NOTE Where	he rate is	ween two ports by a currier by water, the law requires that the bill dependent on value, shippers are required to state specifically in	writing the agreed or declared value of the p	shipper's weight.		1	and Rule 5 of the National Motor Freigi Classification. Tshipper imprint in lieu of stampt, not a pa of bill of lading approved by the Intersta Commerce Commission.
The sgreed or	declared	value of the property is hereby specifically stoted by the	shipper to be not excreding		per		Commerce Constitution.
			Shipper, Per		<u> </u>		Ager
Permanent po address of sh		· Cottenll	05-12	-2010	Per 2	<u>></u>	
		2619		$\{$			
				Ц		•	***

	IT BILL OF LADING—SHOR	FORM ORIGINAL - N	IOT NEGOTIABLE		Shipp	er's No. <u>SG-632</u>
Carrier's N	ame: US Environmetn	al			Carrie	or's No. 10909/
	bject to the classifications and tariffs in effect on the				Odin	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
a Dir	nockt wo	(Dein) 5-13-10	EDOM SI	อเมอ / ตอน	o.t	
the property des throughout this or routes, or we of said route to Bill of Lading Shipper hereby and the said to	nockt wo ribido below, in apportit good order, except as noted contract as meaning any person or corporation in the ideal indication of its lighway operations, otherwise desination, and as to each party at any time interest forch (1) as the Lufform Freight Chastication in the first of the contract of the contract in the contract of the contract in the contract of the contract in the contract of the contract in the con	(Contents and consistion of contents of package sessions of the property under the contract) is to deliver to another curier on the contract is ted in all or any of said property, that ever effect on the date hereof, if this is a rail auditions of the said bill of lading, incidency and accepted for kinned I and his assigns.	es unknown), marked, consigned, agrees to earry to its usual plus said destination. It is moutally service to be performed here or rail-water shipmant, or (2) it those on the back thereof, se	and destined as shace of delivery at ty agreed, as to es- order shall be subje- a the applicable mo- et forth in the clas-	rwn below, which said destination, is cheerier of all ct to all the term tor earrier classifica- sification or tariff	said company (the word company being understor on it own railroad, water line, highway row or any of said groperty over all et any ports s and conditions of the Uniform Donestic Straig illen or tantil if this is a motor cannier shipmen which governs the transportation of this shipmen
Consigned	TO Sunbury Generat	ion	or street address for purposes of no	lification only.)		Subject to Section 7 of conditions, if this shipme is to be delivered to the consigner without recourt on the consignor, the consignor shall sign the following statement:
0:	Collect on Delivery Shipments, the letters "COD" must appear	r before consignee's name or as otherwise provide				The earrier shall not make delivery of the shipment without payment of freight and all other
Destination	Old TrailR d.				City	lawful charges.
	County	PA Delivery Address★	State	17876	Zip	
Houte		(*To be filled in only when shipper desires an	d governing tariffs provide for delive	ery thereat.)		(Signature of consignor.)
	Carrier					C. O. D. Charges to be
Collect on I	Delivery \$	And Remit to				☐ Shipper ☐ Consignee
StreetCityState						If charges are to be prepaid, write of starmp here, "To be Prepaid."
No. Packages	H.M. Kind of Package, Description of Ar	dicles, Special Marks, and Exceptions	*Weight (Subject to Correction)	Class or Rate	Check Column	
1	load water		6 6 00	gal		Received \$ to app
	#2					in prepayment of the charges on the proper described hereon.
AFE#	51224					Agent or Cashier
	37-115-201	49				Per (The signature here acknowledges only the amount prepaid.) Charges Advanced:
API#						s
API#	# 630/668		1	1 1		
Truck	AT 81814			-		conform to the specifications set forth in the be maker's certificate thereon, and all other sequirement of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight
Truck	AT 8187H	he bill of lading shall state whether it is carrier's or shiply in writing the accred or declared value of the smooth	pper's weight.			† "The fibre containers used for this shipme conform to the specifications set forth in the be maker's certificate thereon, and all other requiremen of Rule 41 of the Uniform Freight Classifica- nal Rule 5 of the National Motor Freig Classification: TShipper's imprint in live of stamp; not a pr
Truck	PT8187H	illy in writing the agreed or declared value of the prope	pper's weight.	per		conform to the specifications set forth in the be maker's certificate thereon, and all other sequirement of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight
Truck	AT 8192H west brewen two ports by a carried by water, the law requires that refer is deponded on value, shipper are required to sides specific clared value of the property is hereby specifically stated	illy in writing the agreed or declared value of the prope	erty.	per	1	conform to the specifications set forth in the be maker's certificate thereon, and all other requiremen- of Rele 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification." TShipper's imprint in live of stamp; not a re- of bill of lading approved by the laterate

STRAIG							er's No. <u>SG-63</u>	33
		US Environæmkækmenta		-		Carrie	r's No. 以多を	116709
		to the classifications and tariffs in effect on the date of the iss						
at Dimo	ock	T wp. (Date) 5-	13-10	_FROM_SRV	R/CAbot			
the property des throughout this or routes, or u of said route to Bill of Liding Shipper hereby and the said te	scribed i contract within the continuous for continuous continuous continuous	TWD. (Date) 5— below, in apparent good order, except as noted (contents and cor as meaning any person or corporation in possession of the yellow territory of its highway corporations, otherwise to deliver to a stion, and as to each party at any time inserted in all or an it (1) in the Linform Frieght Charifaction in effect on the da that it is familiar with all the terms and considerant real investigation to be yellowed to be a procession of the coupled for the yellow all poor and accepted for	ndition of contents of packages under the contract) agree mother carrier on the route to say yof said property, that every se te bereof, if this is a rail or n said bill of lading, including the or literactif and his assigns.	nknows), marked, courigned, s to carry in its usual pl iid destination. It is mumall ervice to be performed herea all-water shipment, or (2) in use on the back thereof, se	and desired as show one of delivery at a y agreed, as to earl ader shall be subject the applicable moto I forth in the classi	n below, which aid destination, it carrier of all to all the terms rearrier classification or tariff	said company (the word or if on its own railroad, we or any of said property of s and conditions of the U- tion or tariff if this is a which governs the transpor-	impany being inderstood ter line, highway route over all or any portion inform Domestic Straight motor carrier shipment, tailog of this shipment,
Consigned	ıΤΩ	Sunbury Geenration	(Mail or str	eet address for purposes of not	fication only.)		is to be delivered to the of on the consignor, the c	onditions, if this shipment consignee without recourse consigner shall sign the
Or	On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in item 430, Sec. 1.						The carrier shall not shipment without payment lawful charges.	make delivery of this of freight and all other
Desdilato	County PA State 17876 Z Delivery Add (resp. * (*To be filed in only when shipper desires and governing lizalitis provide for delivery thereal.)							
Route		County	Delivery Address			2η		
							(Signature o	
Delivering Carrier Car or Vehicle Initials and No And Remit to						C. O. D. Charges	s to be	
Collect on	Deliv	ery \$	And Remit to					
		Street		City		State	If charges are to stamp here, To be Prepaid.	be prepaid, write or
No. Packages	н.м.	Kind of Package, Description of Articles, Special Mar	ks, and Exceptions	"Weight (Subject to Correction)	Class or Rate	Check Column		
1		load water		6 3 00	gal		Received \$	to apply
		#2					described hereon.	
AFE#		51244					Agent or	r Cashier
API#		37-115-20149					(The signature here actino the amount prepaid.) Charges Advanced:	wiedges only
Truck	#_	618					S	used for this shipment
Plate	#	AF 68829					conform to the specificati maker's tertificate thereon, of Rule 41 of the Unit and Rule 5 of the Classification."	and all other requirements
		secon two ports by a carrier by water, the law requires that the bill of lading sha dependent on value, shippers are required to state specifically in writing the a straight of the property is hereby specifically stated by the shipper to		's weight.	рет		†Shipper's imprint in lie of bill of lading app Commerce Commission.	n of stamp; not a part
		Shipp	er, Per		Summe	wee 2	-stubles	∡ Agent
Permanent p		ce			Per			
_			引					

STRAIGHT BILL	OF LADING—SHORT FO	ORM ORIGINAL -	NOT NEGOTIABLE		Shipper's No. SG-634	
Carrier's Name: 1	IS Environmental				Сапіе	ers No. 096407
	classifications and tariffs in effect on the date					
at Dimock t	(Date	5-13-10	FROM_SRW	R/Cabot	en below which	and company (the word company being independent
throughout this contract as more routes, or within the territ of said route to destination, a Bill of Lading set forth (1) Shipper bereby certifies that had been said the raid terms and conditional territians.	analog any person or corporation in possession by of its highway operations, otherwise to del and as to each party at any time interested in in the Uniform Freight Classification in effect of the condition with all the terms and condition ions are hereby agreed to by the shaper and	of the property under the contract) iver to another carrier on the route all or any of said property, that each on the date hereof, if this is a rail on the said bill of being include accepted for himself and his assigns.	agrees to carry to its usual plus to said destination. It is munually ery service to be performed hereun or rail-water shipment, or (2) in ag those on the bock thereof, set	ne of delivery at agreed, as to exceed as to exceed as to exceed the applicable more forth in the class	said destination, in the carrier of all to all the terms or carrier classifica- ification or tariff	said company (the word company being understood from its own rallroad, water line, hiphway root or any of said property over all or any portion is and compliants of the Uniform Demestic Startic and compliants of the Uniform Demestic Startic and the compliants of the Uniform Demestic Startic which governs the transportation of this disputes
Consigned TO	Sunbury Generation	on (Ma	ar street activess for purposes or note	cation only.)		is to be delivered to the consigner without recours on the consigner, the consigner shall sign the
016	very Shipments, the letters COD must appear before dark Trail Rd.	Otract		n Dam	City	The earrier shall not make delivery of the shipment without payment of freight and all othe lawful charges.
Route	County	PA Delivery	State17		Zip	
110016	(*	To be filled in only when shipper dealess	and governing tarills provide for deliver	y thereat.)		(Signature of consignor.)
•						C. O. D. Charges to be Paid by Shipper Consignee
Conect on Delivery w	Street	And Hernit to	City		State	If charges are to be prepaid, write or stamp here, "To be Prepaid."
No. Packages H.M.	Kind of Package, Description of Articles, S	pecial Marks, and Exceptions	*Welght (Subject to Correction)	Class or Rate	Check Column	
1	load water		6 9 00	gal		Received \$
	Виния	#2				described hereon.
AFE#	51244					Agent or Cashier
APIL#	37-115-20149					(The signature here acknowledges only the amount prepaid.) Charges Advanced:
Truck# (012					f "The fibre containers used for this shipme
Plate#	AFA 55386					conform to the specifications set forth in the be maker's certificate thereon, and all other requiremen of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freig Classification."
	oports by a carrier by water, the low requires that the bill on value, shippers are required to state specifically in us of the property is bereby apecifically stated by the		hipper's weight. operty.	per		Classification." IShipper's imprint in lieu of stamps not a part of bill of lading approved by the interstal Commerce Commission.
		. Shipper, Per			1-1	Ager
Permanent post-office address of shipper.				Per /	Part C.	hult
		-	了 			

STRAIG	STRAIGHT BILL OF LADING—SHORT FORM ORIGINAL - NOT NEGOTIABLE Shipp			Shippe	er's No. <u>SG-635</u>		
Carrier's I	vame:	US Environmetnal				_Carrie	r's No. 109082
		the classifications and tariffs in effect on the date					
at_Din	nock	Twp. (Date	5-13-10	FROMS	RWR/Cab	ot	
the property de throughout this or routes, or of said route Bill of Lading Shipper hereby and the said i	scribed be contract within the to destina set forth certifies erms and	Cate Country Countr	and condition of contents of pockes of the property under the contract) er to another carrier on the route till or my of said property, that ev- the date hereof, if this is a rail of the said bill of lading, includ- pacepted for himself and his assigns.	ces unknown), marked, consigned, agrees to easy to its usual ple to said destination. It is mutually ery service to be performed here or rail-water shipment, or (2) in ag those on the back thereof, see	and destined as sho ce of delivery at y agreed, as to en- ader shall be subjec- the applicable mot torth in the class	wa below, which is said destination, it is contier of all it to all the terms or carrier classification or tariff	and company (the word company being understood f on its own railroad, water line, fighway route or any of said property over all or any portion a and conditions of the Uniform Domestic Straight tion or tariff if this is a motor currier shipment, which governs the transportation of this shipment,
		Sunbury Generation of Delivery Shipments, the letters "COD" must appear before	(wan	or enser services on burboses or non	fication only.)		Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:
٠ 0	n Collect o	n Delivery Shipments, the letters "COD" must appear before	consignee's name or as otherwise provid	ed in item 430, Sec. 1.			The carrier shall not make delivery of this shipment without cayment of freight and all other
Destination	n <u> </u>	dl Trail Rd.	Street	Shamoki		City	lawful charges.
Route .		County	PA Delivery	State17	876	Zip	
HOUSE		(*1	o be filled in only when shipper desires a	and governing tariffs provide for delive	y therest.)		(Signature of consignor.)
Delivering	Carrie	r	Car	or Vehicle Initials and No	o		C. O. D. Charges to be
		ry \$					Paid by ☐ Shipper ☐ Consignee - ,
		Street		City		State	If charges are to be prepaid, write or stamp here, "To be Prepaid,"
No. Packages	H.M.	Kind of Package, Description of Articles, Sp	ecial Marks, and Exceptions	"Weight (Subject to Correction)	Class or Rate	Check Column	
1		load water		69 00	gal		Received \$ to apply in prepayment of the charges on the property
		#2					described hereon.
AFE#		51244					Agent or Cashier
							(The signature here acknowledges only the amount propaid.)
API#	_	37-1815-2014	9		+		Charges Advanced:
Truck	:#	640/668					† "The fibre containers used for this shipment
Plate	.4	PT 8782H					conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the Nutional Motor Freight
"If the shipment m	oves betwe	on two ports by a carrier by water, the law requires that the bill of pendent on value, shippers are required to state specifically in wr	lading shall state whether it is carrier's or si	hipper's weight.			Classification." 1Shipper's imprint in lieu of stamp; not a part
		olue of the property is hereby specifically stated by the s			· per		of bill of lading approved by the Interstate Commerce Commission.
			Shipper, Per			1	Agent
Permanent po address of shi	st-office oper,				Per	149	may
				Л		1/	f)

IIIAI	A 1 E	TBILL OF LADING—SHORT FORM ORIGIN NOTNEGOTIABLE Shippe				er's No. <u>SG0</u> 63.6	
Carrier's N	lame:	C. Haer Trucking the classifications and tariffs in effect on the date of	he leave of this Bill of lading			Carrie	r's No.
Din	moa.	C Clear	5_12_10	EDOM	CDMD /C	hot	
the property den throughout this or routes, or to of said route t Bill of Lading Shipper hereby and the mid to	construct within the destination set fort certifies and	K TWD • (Date) claw, in appeared good order, except as noted femiests a at menting any person or corporation in possession of territory of its highway openions, otherwise to deliver siting, and as to each pasty at any time interested in all that he its familiar with all the transit and conditions to conditions are hereby agreed to by the shipper and acce-	nd condition of contents of packages the property under the contract) as to another carrier on the route to or any of said property, that every the date hereof, if this is a rail or the said built of lading, behilding the for himself and his assigns.	unknown), marked, consigned, a grees to carry to its usual pla said destination. It is mutually service to be performed hereur raill-water shipment, or (2) in those on the back thereof, set	and destined as sho ce of delivery at agreed, as to ea- ader shall be subjec- the applicable most forth in the class	wn below, which said destination, it is carrier of all to all the terms or carrier classification or tariff	said company (the word company being understood on its own paircod, water line. Lighway route or any of said property over all or any portion is and conditions of the Uniform Domestic Straight one terriff if this is a motor carrier shipment, which governs the transportation of this shipment,
Consigned	ιTΟ	_ Sunbury EXXMXXXGen	eration	on out address to purpose of the	fication only.)		is to be delivered to the consigner without recourse on the consignor, the consignor shall sign the
0	n Collect	on Dalivery Shipments, the letters "COD" must appear before cor Old Trail Rd.			am	011-	following statement: The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.
Destination			~ *	State 1787		City	Maran thunger
Poute		County	Delivery			Zip	
HOUSE.		(* To)	be filled in only when shipper desires and	governing tariffs provide for deliver	y thereat.)		(Signature of consignor.)
Delivering Carrier Car or Vehicle Initials and No Collect on Delivery \$ And Remit to						C. O. D. Charges to be Paid by Shipper Consignee	
Street City State						If charges are to be prepaid, write or stamp here, "To be Prepaid."	
No. Packages	H.M.	Kind of Package, Description of Articles, Spec		"Weight (Subject to Correction)	Class or Rate	Check	
· acroged				io concessi,	0.1.000		
1		load_water		5000	gal		Received \$to apply
		#2					in prepayment of the charges on the preparty described hereon.
AFE#		51224				_	Agent or Cashier
APØI	,,	37-115-20149					(The signature here acknowledges only the amount propeld.) Charges Advanced:
HEML		37-113-20149			 		
Truc	s#	105					† "The fibre containers used for this shipment
Plat	e#	AE7988					conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification."
NOTE Where t	he rate is	aren two ports by a carrier by water, the law requires that the bill of Ja dependent on value, shippers are required to state specifically in write value of the property is hereby specifically stated by the ship	ig the agreed or declared value of the proper	per's weight. ity.	per		Classification." †Shipper's imprint to fleu of starop; not a part of bill of lading approved by the interstate Commerce Commission.
Permanent p	ost-offic	111215	hlpper, Per		n. D6	my ATA	Agent
address of sh	ipper,	MUATHINEX 5-1	<u> ري د</u>		Per	אן דוך מעני	104

STRAIGHT BILL OF LADING—SHORT FORM OPIC				- NOT NEGOTIABLE Shipp			per's No. <u>SG-637</u>	
Carrier's I	Name: C	. Haer Trucking				Carrie	er's No.	
		classifications and tariffs in effect on the date of						
at <u>Di</u>	LmocK	Twp. (Date)	5-13-10	FROM_SR	WR/Cabo	t	and common the word common being a few total	
the property of throughout this or coutes, or of said route Bill of Lading Shipper hereby	contract as n within the tent to destination, set forth (1) certifies that	TWD . (Date). in apparent good order, except as noted (contexts a reasoning any person or conporation in postession of tory of its lightway operations, otherwise to deliver and as so each party of any time interested in all the lambda of the content of the lambda of the interested in all the lambda or with all the terms and conditions or though a party of the lambda of the lam	the property under the contract to another carrier on the coute or any of said property, that e the date hereof, if this is a rai of the said bill of lading, include the tracel on the sections.	ages to carry to its usual ploto said destination, it is mutually tery service to be performed hereoft or rail-water shipment, or (2) its ing those on the back thereof, set	ce of delivery at agreed, as to en ader shall be subjouthe applicable most forth in the class	said destination, it ch carrier of all ct to all the term for carrier classifica sification or taciff	of supply (all productions of the land of	
	TO		, , , , , , , , , , , , , , , , , , , ,	il or street address for purposes of not	fication only.)		Subject to Section 7 of conditions, if this shipment is to be delivered to the consignor without recourse on the consignor, the consignor shall sign the following statement:	
٠ ٥	In Collect on Deli	ivery Shipments, the letters "COD" must appear before con	•				The carrier shall not make delivery of this shipment without payment of freight and all other	
)estinatio		l Trail Rd.	Street PA	Shamo State1	<u>kin Dar</u> 7976	•	lawfol charges.	
		County	Delivery_ Address*_	State	7070	Zip		
tonte		(*Tot	————Address⊼_ be filled in only when shipper desires	and governing tariffs provide for deliver	y thereat.)		(Signature of consignor.)	
Delivering CarrierCar or Vehicle Initials and No.						C. O. D. Charges to be		
Collect on	Delivery \$	\$	And Remit to _				Paid by ☐ Shipper ☐ Consignee	
		Street		City		State	If charges are to be prepaid, write or stamp here, "To be Prepaid."	
No. Packages	н.м.	Kind of Package, Description of Articles, Spec	cial Marks, and Exceptions	"Weight (Subject to Correction)	Class or Rale	Check Column		
1		load water		5000	gal		Received \$ to apply in prepayment of the charges on the property	
		#2					in prepayment of the charges on the property described bereon.	
AFE#		51244					Agent or Cashier	
API/		37-115-20149					(The signature here acknowledges only the amount prepaid.) Charges Advanced:	
Truc	k# !	05					t "The fibre containers used for this shipmen	
Plat		Engar					rolled note containers need to this simplese conform to the specifications set forth in the bot maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Preight Classification and Rule 5 of the National Motor Preight	
		to ports by a carrier by water, the law requires that the bill of lacent on value, shippers are required to state specifically in writing	ding shall state whether it is carrier's or og the agreed or declared value of the p	shipper's weight.			Classification." 1Shipper's impoint in lieu of stamp; not a par of bill of lading approved by the interstate	
The agreed or	declared value	of the property is hereby specifically stated by the shi	pper to be not exceeding		per		Commerce Commission.	
		s	hipper, Per				Agen	
Permanent p address of sh	ost-office	Totterell a	05-13	-2010	Per D			

Carrier's Nam	e: C. flaer Trucking				Carrie	r's No.
		<u>=</u> -	55011		7	•
Dimo	CK TWD; (Da d below, in apparent good order, except as asset (com	tte) $5-13-10$ ents and condition of contents of pact	FROM	SRIR/Ca and destined as shor	NO below, which	said company (the word company being understor
nout this coem routes, or within of said route to de Bill of Leding de Shipper hereby certal and the said terms	CK TWD; d below, in apparent good order, except as asset from the territory of its displayer operation in possessis the territory of its displayer operations, otherwise to stimulos, and as to each party at any time interested from (1) is the Uniform freight Classification in effects that it is finalliar with a fine terms are confitted and conditions are hereby agreed to by the shaper as	on all the property under the contract deliver to another corrier on the con- in all or any of said property, that on the date hereof, if this is a ra- ons of the said bill of lading, inclu- ty accepted for himself and his assigns	it agrees to carry to fits tasked in to sold destination. It is mutual every service to be performed here all or sulf-water shipmens, or (2) is ding those on the back thereof, as	lace of delivery at ly agreed, as to es- under shall be subjec- a the applicable move to forth in the class	said destination, if the carrier of ail or carrier classifies of carrier classifies differning or tanti	f on his own rationed, water line, highway rose or any of said property over all or any ports, and conditions of the Uniform Domestic Strate, then or traff if the is a motor carrier shipmer which governs the transportation of this shipmer
	Sunbury Generat	(M	(a)) or etreet address (or purposes of no	tification only.)		Subject to Section 7 of conditions, if this shipme is to be delivered to the consigner without recours on the consignor shall sign the following statement:
	Old Trail Rd.			n Dam		The carrier shall not make delivery of the shipment without payment of freight and all othe lowful charges.
DOGMICTION	County	PA	State	_17876	Zip	
Route	County	Delivery Address				
						(signature of congluence)
=	rrier					C. O. D. Charges to be Paid by
Collect on De	livery \$	And Remit to				☐ Shipper ☐ Consignee
	Street	City		If charges are to be prepaid, write o stamp here, "To be Prepaid."		
No. Peckages H.S			"Weight (Subject to Correction)	Class or Rate	State Check Column	
1	load water		5000	gal		. Received S
	#2					Received 5 to applie properties on the propert described hereon.
APE#	51284					Agent or Cashler
					····	(The signature here acknowledges only the amount prepard.)
API#	37-115-20149)		_		Charges Advanced:
Truck#	104	···				* The fibre containers used for this shipme
plate#	YYR-1776					† The fibre containers used for this shipme conform to the specifications art forth in the be maker's certificate thereon, and all other requirement of Rule 41 of the Uniform Freight Classificant and Rule 5 of the National bloom Freig
-Wiere the rat	between two ports by a carrier by water, the law requires that the te is dependent on value, shappers are required to state specifically and value of the property is hereby specifically stated by	in writing the agreed or declared value of the	a shipper's weight, property.	per		Classification." †Shipper's imprint in Heu of stamps not a proof bill of lading approved by the Interstationance Commission.
28.000 07 2000			····	T		
	A-	Shipper, Per		 		Ager
Permanent post-o address of shipps		5-13-10	-	Per	, , , , , , , , , , , , , , , , , , ,	
	\mathcal{O}		$\{]$			

Shipper's No. 3G-639

		C. Haer Trucking	the icase of this 200 of feeting			Carrie	r's No.
						_	
at 131 the property destrumphous this or postes. Or to of said route to Bill of Lading Shipper hereby and the said to said to said the said to said the said to said the said to said the said to said the said to said the	scribed b contract within the continue set ford contifies	Cate) Chiese. In apparent good order, except as noted (contered as meaning any person or exportable in outsets the terratory of its highway operations, totherwise to delive soon, and as to tack pury at any first interested in all other terratory of the interested in all other terratory of the interested in all other terratory of the second	and condition of contents of packs of the property under the contract or to another carrier on the soute or say of said property, that e the circle hereof, if this is a rail of the said bill of lading, include corted for himself and bis assime.	ages unknown), marked, consigned, as the agest to early to its estal place to said destination. It is mutually very service to be performed between it or milwarer shipmens, or (2) in ling those on the back thereof, set	ad destined as short of deflivery at agreed, as to esteer shall be subject the applicable more forth in the class	we below, which : said destination if the carrier of all the terms or turner classification or turnit	said company (the word company being understo co us to the relational water has highway ras, or any of real property over all or any portes is and conditions of the Uniform Domestic Straig its or tain! if this is a motor carrier shipmer which governs the transportation of this shipmer
		Sunbury Generation	fuse	re or added someon for brithones or comit	cation only.)		is to be delivered to the consigner without recon- ton the consignor. the consigner shall sign is following statement:
Destination	n	Old Trail Rd.	Street	Shamokin			The carrier shall not make delivery of the shipment without payment of freight and all out trowful charges.
Route		County(*Ti	Delivery_ Address*	State <u>17876</u>	<u> </u>	Zī p	
							(Signature of consignor.)
_		ery \$					C. O. D. Charges to be Paid by Shipper Consignes
	Street			City		State	If charges are to be prepaid, write storage here, "To be Prepaid."
No. Packages	H.M.	Kind of Package, Description of Articles, Spi	cial Marks, and Exceptions	"Weight (Subject to Correction)	Class or Rate	Check Column	·
1		load water		5000	gal		Received S
		ÿ 2					in prepayment of the charges on the prope described hereon.
afe#		51244					Agent or Cashies
API#		37-115-20149					(The algusture here acknowledges only the amount prepaid.) Charges Advanced.
Truck	å	104					t The filter considers used for this ships
Plate		YYR-1776					confurm to the sportifications set forth is the maker's certificate thereon, and all other requirem of Rule 41 of the Uniform Freight Classifica and Rule 5 of the National Motor Fre Classification.
		nece, two ports by a carrier by water, the law requires that the bill of dependent on value, ehippers are required to state specifically in writ value of the property is hereby specifically stated by the al		shipper's weight. voperty.	per		of bill of lading approved by the Inters Commerce Commission.
			Shipper, Per				Age
Permanent po address of sh			05-13	-2010	Per		·
		2619		\mathcal{I}			

STRAIGHT BIL	L OF LADING—SHORT FORM	ORIGINAL - NOT	r negotiable		Shipp	er's No. <u>SG-640</u>
A - 100						r's No. 108986
Carrier's Name:	US Environmental				Carrie	r's No. POOPOO
RECEIVED, subject to th	e classifications and tariffs in effect on the date of the iss	sue of this Bill of lading,				
at DimocKT	Wp. (Date)	5-14-10	FROM SRW	R/Cabot	· · · · · · · · · · · · · · · · · · ·	
the property described below throughout this contract as or routes, or within the it of said route to destination, Billi of Lading set forth (1 Shipper hereby certifies that and the said terms and co	WD = (Date) WD = (Date) (In appeared good order, except as noted (contents and contents) when the property of the property operations, echernic to deliver to at a content party at any time interested in all or and as to each party at any time interested in all or and in the Uniform Prieght Classification in effect on the date of the content of th	edition of coatents of packages roperty under the coatent) agri- sother carrier on the route to by of sald property, that every to hereof, if this is a rail or said bill of lading, including to thinself and his assigns.	unknown), marked consigned, increased the best to carry to its neural plasma destination. It is mountly service to be performed hereu rail-water shipment, or (2) is hoose on the back thereof, set	and destined as shouce of delivery at a cace of delivery at a cace ander shall be subject the applicable mote forth in the class	an below, which is said destination, if is carrier of all the terms or carder classification or teriff	said company (the word company being understood on its own railroad, water line, highway route or any of said property over all or any portfoi sud conditions of the Uniform Domestic Sunghlion or largif if this is a motor earrier slipment which governs she transportation of this shipment
Consigned TO	Sunbury Generation			fication only.)		Subject to Section 7 of conditions, if this shipmen is to be delivered to the consignee without recours on the consignor, the consignor shall sign the following statement:
On Collect on D	Delivery Shipments, the lotters "COD" must appear before consigned					The carrier shall not make delivery of the
Destination O10	Trail Rd.	011001	EXMShamoki		City	lawful charges.
	County	PA	_State17	876	Zip	
Route	(★To be filled	Delivery Address Address In only when shipper desires and g	overning tariffs provide for deliver	ry (hereal.)		(Signature of consignor.)
Delivering Carrier						C. O. D. Charges to be
-	\$					Paid by □ Shipper □ Consignee
	Street		City		State	If charges are to be prepaid, write or stamp here, "To be Prepaid."
No. Packages H.M.	Kind of Package, Description of Articles, Special Mar	ks, and Exceptions	"Weight (Subject to Correction)	Class or Rate	Check Column	
	1 5		6500			
	load water		64300	gal		Received \$to appl in prepayment of the charges on the propert
	#2					described hereon,
7. TOTO //	F4244					Agent or Cashier
AFE#	51244	·		+		(The signature here acknowledges only
API#	37-115-20149					the amount prepaid.) Charges Advanced:
Truck#	620/112					s
Trucks	N+ MINNIL			1		† "The fibre containers used for this shipmen conform to the specifications set forth in the bor maker's certificate thereon, and all other requirement
PLate# /	two roots by a confer by water she law requires that the bill of lading she	Il state whether it is carrier's or shinne	r's weight			of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freigh Classification.
	two ports by a carrier by water, the law requires that the bill of lading sho edent on value, shippers are required to state specifically in writing the a to of the property is howeby specifically stated by the shipper to			per		tShipper's imprint in lieu of stamp; not a par of bill of lading approved by the interstat Commerce Commission.
	0.				1	(11)
	Shippe	er. Per		l ————	//	Agen
Permanent post-office					או המוניאו	NIGOR

STRAIGHT	BILL OF LADING—SHORT F	ORM ORIGINAL	L - NOT NEGOTIABLE		Shippe	er's No. <u>SG-641</u>
	E: US Environmetnal	a di ilia i a mana di ilia di mali a			came	FNANIAN SOL
			•	PWD/cab	ot.	
the property described throughout this contract or routes, or within of Edit of Luding set for Shipper hereby certificated the said terms a	below, in apparent good order, except as noted (content as meaning any person or corporation in procession that territory of its lightway portations, otherwise to disation, and as to each party at any time interested in the (1) in the Uniform Pregar Classification in effect to the continuous means are benefit as continuous are benefit as the continuous are benefity agreed to by the hipper and	(e) and condition of consents of a of the property under the con- eliter to another camier on the a all or any of said property, the on the date hereof, if this is a as of the said thil of lading, in sceptical for himself and his say.	packages unknown), marked, consigned, tract) agrees to carry to its urual protte to said destination. It is menual every service to be performed there all or rail or rail—water stimment, or (2) including those on the back thereof, a gras.	and destined as she lace of delivery at the agreed, as to et ander shall be subje in the applicable wo et forth in the clar	own below, which said destination, if such carrier of all set to all the terms tor carrier classification or tariff	raid company (the word company being understood on its own railmod water line. Mghway route or may of sid property over all or any portion and conditions of the Uniform Domestic Straight ion or tartiff if this is a motor carrier shipment, which governs the transportation of this thipment,
	Sunbury Generatio		(Mail or street address for purposes of no	dification only.)		Subject to Section 7 of conditions, if this shipment is to be delivered to the consigner without recourse on the consignor, the consignor shall sign the
	ct on Delivery Shipments, the letters COD must appear befo			n Dam		following statement: The carrier shall not make delivery of this shipment without payment of freight and all other
	County	PAR	Ctota 17		City	(awfo) charges.
Route		Delivery Address	tsiale		Zp	
D. H 1 0		★To be filled in only when shipper des	dres and governing tariffs provide for defivi	ery thereat.)		(Signature of consignor.)
Delivering Carrier Car or Vehicle Initials and No Collect on Delivery \$ And Remit to						C. O. D. Charges to be Paid by Shipper Consignee
	Street		City		State	If charges are to be prepaid, write or stamp here, "To be Prepaid."
No. Packages H.M.	Kind of Package, Description of Articles,	Special Marks, and Exceptions	*Weight (Subject to Correction)	Class or Rate	Check Column	
1	load water		6300	gal		Received \$ to apply
	#2					to prepayment of the charges on the property described hereon.
AFE#	51244					Agent or Cashier
API#	37-115-20149					(The signature here acknowledges only the amount prepaid.) Charges Advanced:
Truck#	626					\$
Plate#	P+8281H					conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight
	etwoen two ports by a carrier by water, the law requires that the bil is dependent on value, shippers are required to state specifically in d value of the property is bereby specifically stated by th	-	s or shipper's weight. he property.		0	Classification." 1 this per's impries in lies of stamp; not a part of bill of lading approved by the Interstance Commission.
		_Shipper, Per		K	Herzon A	-Eisk Agent
Permanent post-off address of shipper,	ice			Per)
		-	1			

∍ (RAIGHT E	BILL OF LADING—SHORT FORM	A ORIGINAL -	NOT NEGOTIABLE			er's No. <u>SG-642</u>
Carrier's Name	US environmental				Сапів	r's No. /0898/
RECEIVED, subject 1	to the classifications and tariffs in effect on the date of th					
at Dimoc	k Twp. (Date)	5-14-10	FROM_SRV	IR/Cabo	t	
the property described throughout this contract or routes, or within the of said route to destine Bill of Lading set for Shipper hereby certifies and the said terms are	Chatch, in apparent good order, except as noted (costents and as meaning any person or expression in passession of the territory of as to be play any orderions, otherwise to deliver alone, as to each party at any time interested in all of high in the light of the party at any time interested in all of high in the light of the party at any time interested in all of high in the light of the party at any time interested in all of high in the party at any time interested in all of high in the party at any time interested in all of high in the party at any time in the p	condition of contents of packan be another carrier on the contract) to another carrier on the route or any of said property, that eve- tance hereof, if this is a rail the said bill of tacking, including od for himself and his assigns.	ges meknown), marked, consigned, agrees to earry to its usual ple to said destination. It is mutually to early to represent the control of rail-water shipment, or (2) in the back thereof, so	and destined as the see of delivery at y agreed, as to e nder shall be auti- the applicable no t forth in the cla	own below, which said destination, it and carrier of all set to all the terms too carrier classifies stification of tariff	said company (the word company being understoor, on its own railroad, water line, highway rout or any of said property over all or any portion and conditions of the Uniform Domestic Straight tion or pariff if this is a motor carrier singuent which governs the transportation of this shapment
		fwent	or street acoress for purposes of not	fication only.)		is to be delivered to the consignee without recorrs on the consigner shall sign the
On Collect	Sunbury Geenration on Delivery Shipments, the letters COD must appear before consi	gnee's name or as otherwise provid	ed in item 430, Sec. 1.			following statement: The carrier shall not make delivery of thi shipment without payment of freight and all other
Destination	ld Trail Rd.				City	lawful charges.
	County	PA	State1787	76	Zip	•
Route	(A)Tobo	DeliveryAddress*	and governing tariffs provide for delive	at thereat \		(Skinature of constancy.)
Dolivoring Corri						C. O. D. Charges to be
Delivering Carrier Car or Vehicle Initials and No						Paid by
Collect on Deliv	ery \$	And Remit to				☐ Shipper ☐ Consignee
	Street		City		State	If charges are to be prepaid, write or stamp here, "To be Prepaid."
No. Packages H.M.	Kind of Package, Description of Articles, Special	Marks, and Exceptions	"Weight (Subject to Correction)	Class or Rate	Check Column	
1	load water		6800	gal		Received \$to appl
	#2					in prepayment of the charges on the propert described hereon.
AFE#	51224					Agent or Cashier
API#	37-115-20149					Per (The signature here acknowledges only the amount prepaid.) Charges Advanced:
Truck#	640/668					\$
Plate#	PT 8182H					on the topic consisters used for this supprise conform to the specifications set forth in the bo maker's certificate thereon, and all other requirement of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification."
	sees two ports by a carrier by water, the law requires that the bill of ladin dependent on value, shippers are required to state specifically in weiting the value of the property is heraby specifically stated by the shipp		sipper's weight. perty,	ner		Classification." †Shipper's imprint in lieu of stamp; not a partial of lading approved by the laterstate Commerce Commission.
	•				1	Agen
Permanent post-office address of choper			· · · · · · · · · · · · · · · · · · ·	Per	Furv	Will
address of shipper,				1 (6)		

STRAIGHT	BILL OF LADING—SHORT F	ORM ORIGINAL	- NOT NEGOTIABLE		Shipp	er's No. <u>SG-643</u>
Carrier's Name	E: US Environkmetna	to of the jest to of this Bill of larting			Carrle	er's No
at Dimock	Twp	ste) 5-14-10	FROM SR	NR/cabo	t	
the property described throughout this control or routes, or within of said route to dest Bill of Lading set fo Shipper hereby certific and the said terms a	below, in apparent pond order, except as poted (con- ct as meaning any person or copporation in possessi- installer, and as to seed party at any time interested with (1) is the Uniform Freight Classification in effect with (1) is the meaning of the conditions are hereby perced to by the shipper an and conditions are hereby perced to by the shipper an	ents and condition of contents of pace of the property under the contract deliver to another contract on the rout on all or any of said property, that on the date hereof, if this is a nost of the said thill of lading, includ- t necessited for himself and his assign	kages unknown), marked, consigned, 2) agrees to carry to its usual pla to usual destination. It is routnally every service to be performed herei- tial or rail-water shipment, or (2) in- king those on the back thereof, se-	and fartined as sho are of delivery at y agreed, as to em ader shall be subjec- the applicable most t forth in the class	wn below, which said destination, it carrier of all to all the terms or carrier classifies siferation or tariff	said company (the word company being understoof f on its own rullroad, water line, higherty roar or easy of said property over all or any portion is and conditions of the Uniform Domestic Straig idou or tariff if this is a motor curfer shipmen which governs the transportation of this shipmen
		(#	ista or strates arranges for brokeses or lach	fication only.)		Subject to Section 7 of conditions, if this shipme is to be delivered to the consigner without recour- on the consigner, the consigner shall sign the
	Sunbury Genratio cton Dalivery Shipments, the letters COO' must appear bet	ore consignee's name or as otherwise pro-	vided in Item 430, Sec. 1. ShamokinDAm			following startment: The carrier shall not make delivery of the shilment without payment of freight and all other payments are all other payments.
Destination			State 17876		City	lawful charges.
Route	County				Zip	
		(*To be filled in only when shipper dustre	s and governing tariffs provide for delive			(Signature of consignor.)
-	iervery \$					C. O. D. Charges to be Paid by Shipper Consignee
	Street		City		State	If charges are to be prepaid, write to stamp here, "To be Prepaid."
No. Packages H.M.	Kind of Package, Description of Articles	s, Special Marks, and Exceptions	"Weight (Subject to Correction)	Class or Rate	Check Column	
1	load water		6000 -6300	gal		Received \$to app
	#2					Received \$
AFE#	51244					Agent or Cashler
		-				Per (The signature here acknowledges only the amount prepaid.) Charges Advanced:
API#	37-115-20149			1		Cinga Actual
Truck#	626					† 'The fibre containers used for this shipme conform to the specifications set forth in the b
PT.ate#	HI DER 19					maker's certificate thereon, and all other requirement of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight
*If the shipment rooves b NOTE —Where the rate	etwess two ports by a carrier by water, the law tempires that the bits dependent on value, shippers are required to state specifically it of value of the property is hereby specifically stated by t	n writing the agreed or declared value of the	r shipper's weight, property,	957	1	Clessification." †Shipper's imprint in lieu of stamp; not a prof till of teding approved by the interstal Commerce Commission.
		_ Shipper, Per		Ya	non	LE Age
Permanent post-off address of shipper,	fice			Per	√	
			<u>{</u>]			
			11			

RAIG	HTE	BILL OF LADING—SHORT FOR	RM ORIGINA	NOT NEGOTIABLE		Shipp	er's No. <u>SG-644</u>
Carrier's !	Vame	C. Haer Trucking				Carrie	er's No.
RECEIVED,	subject	to the classifications and tariffs in effect on the date of	the Issue of this Bill of lading,	, spe			
at_Dir	noc	k Twp. (Date)	5-14-10	FROM_	SRWR/Cabo)t	
the property de throughout this or routes, or of said courte Bill of Lading Shipper benchy and the said	escribed contract within to to destin set for certifies terms an	K TWD a (Date) below, is apparent good order, except as noted consents as meaning any person or corporation in possession in the stratecy of at labelowsy operations, soften-wise to deliveration, and as to each perty at any time interested in all (1) is the fullyon Propelly Classification in effect on the constitution of effect of the constitution are hereby agreed to by the shipper and any of constitutions are hereby agreed to by the shipper and any	and condition of contents of packs the property under the controlly to another carrier on the route I or any of said property, that ever the date hereof, if this is a sail of the said bill of lading, include expeed for himself and his assigns.	gest unknown), marked, consign agrees to carry to its used to smil destination. It is me ery service to be performed or rail-water shipment, or () ag those on the back thereo	ed, and destined as sice of place of delivery at a state of the state	wen below, which said destination, i ch carrier of all the terms or carrier classification or tariff	said company (the word company being indexisted f on its own railroad, water line, highway route or any of said property over all or any porpor s and conditions of the Uniform Domestic Straight tion or teriff if this is a motor carrier abprovest, which governs the transportation of this abipment,
			(Ma	n or grieer womezz for borbosea c	of notification only.)		is to be delivered to the consigner without recourse on the consignor, the consignor shall sign the
		Sunbury Generation on Delivery Shipments, the letters "COD" must appear before ex					following statement: The carrier shall not make delivery of this
DestInatio	n	Old TrailR d.	Street		Shamokin	Damcity	shipment without payment of freight and all other lawful charges.
		County	PA	State	17876	Zip	
Route		•	Delivery				(Signature of consignor.)
			be filled in only when shipper desires				
Delivering	Carri	er	Car	or Vehicle Initials and	No		C. O. D. Charges to be Paid by
Collect on	Deliv	ery \$	And Remit to _				☐ Shipper ☐ Consignee
		Street		City		State	If charges are to be prepald, write or stamp here. "To be Prepaid."
No. Packages	н.м.	Kind of Package, Description of Articles, Spe	cla) Marks, and Exceptions	"Weight (Subject to Correction)	Class or Rate	Check Column	
1		load water		5000	gal		Received \$to apply
		#2					in prepayment of the charges on the property described hereon.
AFE#		51244					Agem or Cashier
API#		37-115-20149					(The algrature here acknowledges only the amount prepald.) Churges Advanced:
Truc	c#	105					S
Plat	e#	AF72215					conform to the specifications set forth in the box runker's certificate thereon, and all other requirements of Rule 41 of the Uniform Preight Classification and Rule 5 of the National Motor Freight Classification."
*If the shipment to NOTE —Where	moves bet the rate is	ween two ports by a carrier by water, the law requires that the bill of t dependent on value, shippers are required to state specifically in writ		hipper's weight. operty.			Classification." †Shipper's imprint in lieu of stamp; not a part of bill of lading approved by the interstate Commerce Commission.
i he agreed or	deciarea	value of the property is hereby specifically stated by the sh	pper to be not exceeding		per		Commerce Commissions
			Shipper, Per		Ì		Agent
Permanent p	ost-offic	O-1 A			200	ב מומח ל	
address of sh	r.pper,			Л	Per J.	- 17 July	you
		• •	I	51			
				11			

SINAIG	11.5	ILL OF LADING—SHORT FORM	ORIGINAL - NO	TNEGOTIABLE		Shipp	er's No. <u>SG-645</u>
Carrier's N	ame:	C. Haer Trucking				Carrie	r's No.
	•	o the classifications and tariffs in effect on the date of the issue	-				
at Dime	<u>ock</u>	Twp. (Date) 5-1	4-10	FROM_SRV	VR/Cabo	t below splich	eaid company (the proof company being anderstood
throughout this or routes, or routes, or of said route to Bill of Lading Shipper hereby	contract within the destine set for certifies	PWP a (Date) 5- oclow, in apparent good order, except as noted (contents and conditions and as meaning any person or corporation in possession of the pro- sition, and as to each party at any time interested in all or any holl) in the bulloring freight (Dastification at effect on the date of the first three with all the meaning conditions are hereby agreed to the the hipper and accepted for	perty under the contract) ag her earrier on the route to of said property, that every hereof, if this is a rail or id bill of lading, including himself and his autors.	nces to earry to its usual plant of the performed horse rail-water shipment, or (2) in those on the back thereof, se	ace of delivery at y agreed, as to es- moder shall be subje- the applicable mo- et forth in the class	said destination, is the carrier of all et to all the terms for carrier classifies difficultion or tariff	for its own railroad, water line, highway route or any of said property over all or any portion s and conditions of the Uniform Domestic Straight tion or tacill at this is a motor carrier stipment, which governs the transportation of this simpment,
		Sunbury Generation	(Mail or	street address for purposes of not	dication only.)		Subject to Section 7 of conditions, if this shipment is to be delivered to the consigner without recourse on the consignor, the consigner shall sign the
٠ ٥	n Collect	on Delivery Shipmonts, the letters "COO" must appear before consigned's DIG Trail Rd.			mokinDA	.mCitv	following statement: The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.
		County		State			
Route		(★To be filled in	Delivery Address Address and	governing tartifs provide for delive	ery thereat.)		(Signature of consignor.)
		er				<u></u>	C. O. D. Charges to be
Collect on	Deliv	ery \$	_ And Remit to				Paid by □ Shipper □ Consignee
		Street		City		State	If charges are to be prepaid, write or stamp here, "To be Prepaid,"
No. Packages	нм.	Kind of Package, Description of Articles, Special Marks	and Exceptions	"Weight (Subject to Correction)	Class or Rate	Check Column	
1		load water		5000	gal		Received \$ to apply
		#2					in prepayment of the charges on the property described hereon.
AF##		51244					Agent or Cashier
APT#		37-115-20149					(The aignarare here acknowledges only the amount prepold.) Charges Advanced:
							s
Truck#		105			1		† The fibre containers used for his shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Preight Classification
PLate# 'If the shipment in NOTE — Where	noves ber he rate is	ween two ports by a corrier by water, the law requires that the bill of lading shall dependent on value, thippers are required to state specifically in writing the agre	state whether it is carrier's or ship red or declared value of the proper	per's weight.	J		or type 41 or the United Preight and Rule 5 of the National Motor Freight Classification." †Shipper's Impries in Hen of stamp; not a part of bill of lading approved by the Interstate
The agreed or	declared	value of the property is hereby specifically stated by the shipper to b	e not exceeding		per		Commerce Commission.
		Shippe	r, Per				Agen
Permanent p address of sh	ost-offic ipper.	10- 11	•		Per D E	Wm 4	Mon
			7	7		7	

Carrier's N	lame:	C. Haer T	rucking				Carrie	er's No.
	,			the issue of this Bill of lading,				
<u>Di</u>	noc	KT WD.	(Date)	5-14-10	FROM_	SRWR/Cab	ot	No.
out this or routes. Or of said route Bill of Lading	contract within th to destine set fort	netow, in apparent good under a meaning any person or a territory of he highway a sion, and as an each party h (1) in the Uniform Freigi that he in familiar with a	the except as folial (contents corporation of operations, otherwise to deliver at any time interested in all the except contents of the conficient of the co	and condition of contents of po- ithe property under the contra- r to another cartier on the ro- l or any af said property, that the date hereof, if this is a s- of the said bill of before land	clages unknowns, marked, con ct) agrees to carry to its the to solid destination. It is every service to be performe rail or rail-water shipment, or willow these one the beats the	tigoed, and destined as should place of delivery of mutually agreed, as to e d herounder shall be subject) in the applicable manual set forth in the state of the	own below. Which said destination, it such earrier of all eet to all the term carrier classification or their control of the carrier classification or their carriers.	said campany (the word company being indention for its own railroad, water line, highway rout or any of talk property over all or any portion is and conditions to the Uniform Dominic distance for the condition of the Uniform Dominic distance of the Charles of the Charles of the Charles of the Charles of the Charles of the Shapment which powers the transportation of this shapment
		Sunbury		0	Nall or street address for purpose	es of notification only.)	4 140	Subject to Section 7 of conditions. If this shipmer is to be delivered to the consignor without recours on the consignor, the consignor shall sign the following statement:
Consigned	in Collect	on Delivery Shipments, the lette	ors "COD" must appear before co	naignes's name or as otherwise pro				The engler that mot make delivery of this
Destination	n	Old Trail	Rd.	Street	Shamok	in DAm	City	shipment without payment of freight and all othe lawful charges.
		с	ounty	P A Delivery Address*	State	17876	Zip	
Route			(*To	Delivery Address Address be filled in only when shipper desired	es and governing tariffs provide	or dalivery thereat.)		(Signature of consignor.)
Delivering	Carrie	er		C	ar or Vehicle Initials a	ind No		C. O. D. Charges to be
Ū				And Remit to				Paid by Shipper C Consigned
			Street		0	ty	State	If charges are to be prepaid, write of
No. Packages	н,м.	Kind of Paci	kage, Description of Articles, Spe	iciel Marks, and Exceptions	*Weight (Sut	iect Class	Check Column	
						··		
1		load	d water		5000	gal		Received S to Appl
			#2					Received S to appl in prepayment of the charges on the propert described herein.
		F4.0	,					Agent or Cashler
दमम्स		512	<u> </u>				 	Per (The signature here acknowledges only the amount prepaid.)
LOT.		37-	115-20149					Charges Advanced:
						•		
Truck	 - -	107		····			 	† The fibre containers used for this shipper conform to the specifications set forth in the bo
-1 ₂ +c		47R-1	776					maker's certificase thereon, and all other requirement of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification."
-Where	the rate is	wern two ports by a carrier by wa- dependent on value, shippers are walter of the property is here	required to state specifically in wri	nding shall state whether it is carrier's ting the agreed or declared value of the Apper to be not exceeding	or shipper's weight. è property.	per		tShipper's imprist in the of starte; not a par of bill of lading approved by the interstat Commerce Commission.
				Shipper, Per	- ·			Agen
Permanent p address of s	oast-offic hipper,	* BE.	JUE))	·	Per		
		9		-	$\langle $			
					J			

Carrier's	Vame:	C. Haer Trucking	Carrier's No.				
		to the classifications and tariffs in effect on the date of the issue of this Bit of lading,					
at DIM the property de throughout this or routes, or of said route Bill of Lading Shapper hereby and the said	escribed is convince within the to destine escribers certifies terms and	TWO s below. In apparent good order, except as noted (contents and condition of contents of pack as meaning any person or surprosides in pursuasion of the property ander the constraint be thristopy of its highway operations, otherwise to defirer to another carried on the restrict or and to each party at any time interested in all or my of soid property, that is a related to the content of the	ages unknown, marked consumed, a grees to carry to irs study allow to said destination, it is measuly very service to be performed because it or fall-water shipment. or i.2) is ing those on the back thereof, act	and destined as shown of a full control of the cont	on below, which said destination, it carrier of all is all the term e enriter classification or sariff	said company the word company being understood on its own railroad, water line, highery roots or say of tall property over all or say portion of a rad conditions of the Uniform Domestic Straight uses or turff if this is a mode currier higheren, which governs the transportation of this thepsecut.	
Consigned	οTε	Sunbury Genration	al or street accress for purposse of noti	(cation only)		Subject to Section 7 of conditions, if this shipment is to be delivered to the consigner without recourse on the consigner shall sign the following strangers:	
B	_	on Delivery Shipments, the letters "COD" must appear before consigned's name or as otherwise provided Cld Trail Rd. Street	kin DA	.a. City	The narrier shall not make delivery of this shipment without payment of freight and all other lawful charges.		
Destinatio	·	County Delivery Address* (*To be filled in only when a hipper desires	State	17876	Zip		
Route		Address (*To be filled in only when althour destres	and poverning tariffs provide for deliver	v thereal.)		(Signature of consegnor.)	
		er Cer				C. O. D. Charges to be	
_		ery \$And Remit to _				Paid by ☐ Shipper ☐ Consignee	
		Street	Citv		Slate	If charges are to be prepaid, write or stormy here, "To be Prepaid."	
No. Packages	H.M.	Kind of Package, Description of Articles, Special Marks, and Exceptions	Weight (Subject to Correction)	Class or Rate	Check Column		
1		load water	5000	gal		Received Sto apply	
		#2			***************************************	Received \$ to apply in prepayment of the charges on the property described hereon.	
AFE:	1	51244				Agent or Cashler	
207		27 115 201 10				The signature here actnowledges only the amount prepald;	
API	1	37-115-20149					
Truc	K#					t "The fibre containers used for this shipmer conform to the appellications set forth in the bo	
PLat	e#					maker's certificate thereon, and all other requirements of Rule 11 of the Uniform Freight Classificatio and Rule 5 of the National histor Freigh	
NOTE -Where	the rate is	even two posts by a comine by water, the law regulate that the bill of feding shall note whether it is carrier's or dependent our values, shippers are required to sinst specifically for writing the opted or adeclared value of the p I value of the property is howeby specifically stated by the shipper to be not exceeding	shipper's weight. roperty.	per		Classification." †Shipper's imprint is lieu of stompt not a por of bill of failing approved by the interstat Commerce Commission.	
Permanent p	ost-offic	Shipper, Per > Lubstrue 5-14-10				Agen	
address of si	hipper,	2-10-10		Per			

∵.RAIG	 HT I	BILL OF LADING—SHORT FOR	RM ORIGINA	NOT NEGOTIABLE		China	per's No. <u>SG-864</u>
						Shipp	Der 8 NO
Carrier's N	lame	US Environmental				Carrie	er's No. 116718
RECEIVED, s	ubject	to the classifications and tariffs in effect on the date of	f the issue of this Bill of ladin	g,			
atDi	mo	ck Twp. (Date)	5-15-10	FROM_S	RWR/Cab	ot	
the property de throughout this or routes, or to of said route it BID of Lading Shipper hereby and the said to	scribed contrac within to desti set fo certific erms ar	Ck TWO. below, in apparent good order, except as noted (contents t as meaning any person or corporation in possession on territory of its highway operation, otherwise to deliveration, and so in each party at any time internant in all the contents of the	and condition of contents of g f the property under the content or to another carrier on the of 0 or any of taid property, the the date hereof, if this is a of the said bill of lading, in crepted for himself and his assi	packages unknown), marked, consign- nart) agrees to cerry to its usual oute to said destination. It is mu it every service to be performed I rail or rail-water shipment, or Q cluding those on the back thereof, grs.	ed, and destined as a place of delivery inally agreed, as to hereunder shall be su in the applicable of strict forth in the a	shown below, which at said destination, is each carrier of all bjoct to all the term potor carrier classification or tariff	said company (the word company being inderstood if on its own malroad, water hae, highway core or any of said property over all or any portion is and conditions of the Uniform Domestic Straight alion or hariff if this is a motor carder adjunct, which governs the transportation of this shipment.
Consigned	TC	Sunbury Generation	1	Vivol at added an according purposes of	I notification only.)		Is to be delivered to the consignor without recourse on the consignor, the consignor shall sign the
٠ ٥	n Collec	t on Delivery Shipments, the letters "COD" must appear before or	onsignee's name or as otherwise p		Dam		The carrier shall not make delivery of this shipment without payment of freight and all other
Destination		Old Trail Rd.	TO 78	SHAMOKIH		City	lawfol charges.
		County	Delivery	State		Zip	[
Route		(★10	be filled in only when shipper des	ires and governing tariffs provide for di	elivery thereat.)		(Signature of corrs/gnor.)
Delivering	Carr	er					C. O. D. Charges to be
Collect on	Dalis	/ery \$	And Domit to				Paid by ☐ Shipper ☐ Consignee
Conectan	Dell	Street	And Heimit R	City		State	If charges are to be prepaid, write or stamp here, "To be Prepaid."
No. Packages	н.м.	Kind of Package, Description of Articles, Spr	ecial Marks, and Exceptions	"Weight (Subject to Correction)	Class or Rate	Check	1
· sexagos	_			6900			
1		laod water		AEZE	gal		Received \$to apply
		#\$2					lu prepayment of the charges on the property described hereon.
AFE	į	51244					Agent or Cashier
						1	(The signature here acknowledges only the amount prepaid.)
API	4	37-115-20149					Charges Advanced:
Truc	ck#	670/48					\$
Plat	reż	ATBIBZH					conform to the specifications set forth in the box miler's certificate thereon, and all other requirements of Role 41 of the Uniform Preight Classification and Rule 5 of the National Motor Freight Classification."
*If the shipment	moves b	tween two ports by a carrier by water, the law requires that the bill of is dependent on value, shippers are required to state specifically in wri	lading shall state whether it is carrier's	s or shipper's weight.			Classification." †Spripper's important in lieu of stamp; not a part of bill of lading approved by the Interstate
		d value of the property is hereby specifically stated by the si			per		Commerce Commission.
			Shipper, Per			1	Agen'
Permanent p address of sh	ost-off ipper,	ice			Per	Lug-N	wy
				\int		ν	<i>y</i>

STRAIGHT BILL OF LADING—SHORT FORM OR			GINAL - NOT NEGOTIABLE			Shipper's No. SG-649	
	ne: US Environmental					15/09413	
	ct to the classifications and tariffs in effect on the dar						
at_ Din	ock Twp. (Da	_{ste)} 5-15-10	FROM_SR	NR?Cab	ot		
the property describ throughout this cont or routes, or within of said route to di Bill of Lading set Shipper hereby cert and the said terms	Model TWD . (Da do below, in apparent good order, except as noted (content as meaning any person or corporation in postage to the territory of six highway operations, otherwise to a stimulou, and as to each purp at any time laterated in forth (1) in the fulform Freight Classification in effect fees that he is familiar with all the terms and conditions are known of the conditions are known of the conditions are known or the conditions are known or the conditions are known or the conditions are known or the conditions are known or the conditions are known or the conditions are known or the conditions are known or the conditions are known or the conditions are known or the conditions are known or the conditions are known or the conditions are known or the conditions are known or the conditions are known or the conditions are known or the conditions are known or the conditions are the conditions	ents' and condition of contents of poclor of the property under the contract feliver to another carrier on the routs and or any of said property, that: on the date hereof, if this is a ri- ous of the taid bill of lading, inclin is secopted for binned and his assigns	ages unknown), marked, consigned, at) agreet to carry to its usual plac to said destination. It is mutually recommended to be performed hereast ill or rail-water shipment, or (2) in fing those on the bock therrof, set	d destined as she of delivery at ogreed, as to ea- er shall be subjec- the applicable most forth in the clas-	we below, which said destination, is carrier of all to all the term or earnier classifies silication or tariff	said company (the word company being understoff on its own railroad, water line, highway to or any of said property over all er any portions and conditions of the Uniform Donestic Straighton or tariff if this is a motor carrier shipme which governs the transportation of this shipme	
		(AC	all or street address for purposes of notific	ation only.)		Subject to Section 7 of conditions, if this shipm is to be delivered to the consignee without recound the consigner shall sign following statement:	
Consigned I	O <u>Sunbury Geernatio</u> lect on Delivery Shipments, the letters COD* must appear beto	pre consignee's name or as otherwise prov	ided in item 430, Sec. 1.			following statement: The carrier shall not make delivery of it	
	Old Trail Rd.			am	City	The carrier shall not make delivery of i shipment without payment of freight and all of lawful charges.	
	County	PA	State	17876	Zip		
Route		Delivery Address					
		*To be filled in only when shipper desire:	and governing tantis provide for delivery	thereal.)		(Signature of consignor.)	
Delivering Ca	rier	Ca	or Vehicle Initials and No.			C. O. D. Charges to be	
Collect on De	livery \$	And Remit to _				Paid by ☐ Shipper ☐ Consignee	
	Street		City		State	If charges are to be prepaid, write stamp here, "To be Prepaid."	
No. Packages H.M			"Weight (Subject to Correction)	Class or Rate	Check Column		
		1.0// 1.00	6000				
_1	load water		-6300	gal		Received \$ to no	
	#2					Received \$to apply in prepayment of the charges on the proper described berron.	
	,,,,,					Agent or Cashicr	
AF##	51244					Per	
						(The signature here acknowledges only the amount prepaid.)	
API#	37-115-20149					Charges Advanced;	
m	1226					\$	
Truck				-		† "The fibre containers used for this shipm conform to the specifications set forth in the t	

STRAIGHT BILL OF LADING—SHORT FORM

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding

Permanent post-office address of shipper,

Shipper, Per

Agent

o (RAIGI	HTE	BILL OF LADING—SHORT FOI	ORIGINAL - NO	OT NEGOTIABLE		Shippe	ers No.SG-650
						BA	-1910924324 rs No.
Carrier's N						Carrie	r's No.
		to the classifications and tariffs in effect on the date o					
at Dime	ock	Twp. (Date)	5-15-10	FROM	SRWRc/a	bot	
the property de- throughout this or routes, or of f said route t Bill of Lading Shipper hereby and the said to	embed contract within the destin set for ecrtifies cons and	Date: Date: Debtor, in apparent good order, except as noted (contents as meaning any person or corporation in possession or betteriney of its highway peersons, otherwise to define sition, and as to each party at any time interested in a time of the content of	and condition of contents of pockages of the property under the contract) age or to another carrier on the route to l or any of said property, that every the date hereof, if this is a rall or of the said bill of lading, including repeat for himself and his assign.	unknown), marked, consigned, rees to carry to its usual pi said destination. It is mutual service to be performed here: rail-water shipment, or (2) ir those on the bock thereof, so	and destined as she have of delivery at by agreed, as to ea- mater shall be subje- t the applicable mo- et forth in the clas-	own below, which a said destination, if ich currier of all ich ct to all the terms for currier classification or tariff	said company (the word company being understood on its own militood, water line, highway route or any of said property over all or any portion i and conditions of the Uniform Domestic Straight from or taniff if this its a motor carrier shipment, which governs the transportation of this shipment,
		Sunbury Geenraiton on Delivery Shipments, the letters 'COO' must appear before o	(Man or	street accress for purposes of no:	tification only.)		is to be delivered to the coasignee without recourse on the consignor, the consignor shall sign the following structure:
		on Delivery Shipmonis, the letters COU must appear before o			DΔm	Citv	The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges,
Destination							10-20 Canageon
Route		County(*Ti	Delivery Address*	State	7070	Zip	(Signature of consignor.)
		(*10	be tilled in only when shipper desires and	governing lantis provide for delive	ery merent.)	1	
Delivering	Carri	er	Car or	Vehicle Initials and N	0		C. O. D. Charges to be Paid by
Collect on	Dellv	ery \$	And Remit to				☐ Shipper ☐ Consignee
		Street		City		State	If charges are to be prepaid, write or stamp here, "To be Prepaid."
No. Packages	H.M.	Kind of Package, Description of Articles, Sp.	ecial Marks, and Exceptions	"Weight (Subject to Correction)	Class or Rate	Check Column	
1		load water		6000	gal		Received \$to apply in propayment of the charges on the property
		#2					described hereon.
AFE#		51244					Agent or Cashler
API#		37-115-20149					(The signature here acknowledges only the amount purpaid.) Charges Advanced:
Truck	#	626					\$
Plate		PISISIH					conform to the specifications set forth in the box maker's certificate thereon, and all rather requirement of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification."
*If the shipment NOTE —Where	moves be the rate is	tween two ports by a carrier by water, the law requires that the bill of t dependent on value, shippers are required to state specifically in wri	lading shall state whether it is carrier's or ship ting the agreed or declared value of the proper	er's weight. ty-			†Shipper's imprint in lieu of stampt, not a part of hill of lading approved by the interstate
The agreed or	declared	i value of the property is hereby specifically stated by the si	dpper to be not exceeding		- (2) -		Commerce Commission.
			Shipper, Per		Ka	nole	Agen:
Permanent p address of sh	ost-offi Ipper,	oe 			Per)
			ή				

STRAIC	HTI	BILL OF LADING—SHORT F	ORM ORIGINAL - N	OT NEGOTIABLE			er's No. <u>SG-651</u>
Carrier's	Name	us Environmnetal	l			Carrie	n's No. Bol#109429
RECEIVED.	subject	to the classifications and tariffs in effect on the dat	e of the issue of this Bill of lading,				
at D:	imo	ck Twp.	_{te)} 5–15–10	FROM SR	WR/cabo	t	
the property of throughout this or routes, or of said route Bill of Lading Shipper hereby and the said	contrac contrac within to desti set for certific terms as	Ck TWD • (Da below, in apparent good order, except as noted doone t as meaning any person or composition in posterior to territory of in highway operations, otherwise to duration, and as to each pury at any time interested in the (1) in the Uniform Presipt Clessification in effect the conditions are bereby agreed to by the shipper and	ars and condition of contents of package to of the property under the contract; it other to another carrier on the rocus of the contract of said property, that ever on the date hereof, if this is a rail or of the said bill of lading, including accepted for himself and his satisfact	s unknown), marked, consigned, opens to every to its usual plot and destination. It is mutual plot said destination. It is mutual py service to be performed here or rail-water shipment, or (2) a those on the back thereof, so	and destined as show ace of delivery at a ly agreed, as to each order shall be subject a the applicable moto at forth in the classi	n below, which and destination, is carrier of all to all the term r carrier classifies fleation or twiff	said company (the word company being understood for this own railroad, water line, highway route or any of said property over all or any portion is and conditions of the Uniform Domessic Straight lone or said! if this is a motor earner shippern, which governs the transportation of this shipment,
		Sunbury Generation on Defivery Shipments, the latters "COD" must appear beto	fiagu c	a street and eas for burboses of to	dication only.)		is to be delivered to the consigner without recourse on the consignor, the consignor that sign the
Destination		המונייים גו	re consignee's name or as otherwise provide:	dintem 430, Sec. 1. Shamoki	n Dam	Citv	following statement: The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.
Desmand		County	PA	State	17876	Zip	
Route		County	Delivery Address		en thomas 1	Z.ip	(Signature of consignor.)
		ier					C. O. D. Charges to be
_		very \$					Pald by ☐ Shipper ☐ Consignee
		Street		Citv		State	If charges are to be prepaid, write or stamp bere, "To be Prepaid."
No. Packages	н.м.	Kind of Package, Description of Articles,	Special Marks, and Exceptions	"Waight (Subject to Correction)	Class or Rate	Check Column	
1		load water		6300	gal	• • • • • • • • • • • • • • • • • • • •	Received \$
		#2					in prepayment of the charges on the property described hereon.
AFE#		51244					Agent or Cashier
111 111		01012					Per (The signature here acknowledges only the amount prepaid.)
API#		37-115-20149					Charges Advanced:
Truc	ς#	TR 625					\$
Plate	#	AF- 57940					conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification."
NOTE -Where	he rate is	tween two ports by a carrier by water, the law requires that the bill a dependent on value, shappers are required to state specifically in I value of the property is hereby specifically stated by th	writing the agreed or declared value of the prope	oper's weight. ety.	per		Classification." †Shipper's imprint in lieu of stamp; not a part of bill of lading approved by the Interstate Commerce Commission.
			_ Shipper, Per				Agent
Permanent p	ost-offic ipper,		,,	•	Per Lam	de Her	
			Ć		C	/	

STRAIGH	T BILL OF LADING—SHORT FORM	ORIGINAL - NOT NEGOTIABLE		Shipp	er's No.SG-652
				•••	er's No. 651# 109428
Carrier's Na	OD DITTE OTHER DAY			Carrie	ers No. 109428
	ect to the classifications and tariffs in effect on the date of the issue		_		
at Dim	ock Twp. (Date) 5-1	5-10 FROM SRI	VR/CAbo	t	
the property descri- throughout this co- or rootes, or wife of said route to Bill of Lading se Shipper hereby cer- and the said term	Deck TWD. (Date) Deck Two. (Date) Deck Two. (Date) Deck Two.	on or contents of practages unactively. However, coveraged, to the contract process of the process of the contract process of	and sessimed as so acc of defivery at y agreed, as to ea under thall be subje the applicable mot t forth in the clas	said destination, is che arrier of all cto all the term for currier classifica- dification or tariff	and company (the word company) being uncersion of on its own tailroad, water line, highway rout or any of said property over all or any portuo s and conditions of the Uniform Donestic Straightion or tariff if this is a motor carrier shipmen whileh governs the transportation of this shipmen
Consigned T	11	[Mail or street address for purposes of not	rication only.)		Subject to Section 7 of conditions, if this shipme is to be delivered to the consigner without recom- on the consignor, the consignor shall sign the
On C	collection Delivery Shipments, the latters "COD" must appear before consigner's	name or as otherwise provided in Item 430, Sec. 1.			following statement: The corrier shall not make delivery of the
Destination .	Old Trail Rd.	Street Shamokin	DAm	City	shipment without payment of freight and all oth lawful charges.
	County	PA State 1	7876	Zip	
Route	(★To be filled in	Delivery Address*			(Signature of consigner.)
	arrier				
•	C. O. D. Charges to be Paid by				
Collect on D	elivery \$	_ And Remit to			☐ Shipper ☐ Consignee
	Street	Citv		State	If charges are to be prepaid, write c stomp here, "To be Prepaid,"
No. Packages H	L.M. Kind of Package, Description of Articles, Special Marks,	Milefula (Cubical	Class or Rate	Check Column	
1	load water	6300	gal		Received \$10 app
	#2				in prepayment of the charges on the proper described bereon,
AFE#	51244				Agent or Cashier
API#	37-115-20149				(The signature here acknowledges only the amount prepaid.) Charges Advanced:
Truc	TD 1.20				
Plat	15 57946				† The fibre containers used for this shipme conform to the specifications set forth in the be maker's certificate thereon, and all other regularmen of Rule 41 of the Uniform Preight Classificati and Rule 5 of the National Motor Preig
ATT the shipment more	es between two posts by a carrier by water, the law requires that the bill of lading shall a rate is dependent on value, shippers are required to state specifically in writing the agre- laned value of the property is hereby specifically stated by the shipper to be	or declared value of the property.	per		Chassification." †Skipper's impaint in lieu of stamp; not a po of bill of lading approved by the Intersta Commerce Commission.
The sureed or deel	Control of course of gas supply to be		T		
The sgreed or dec	Shipper	Per	1 .	• .	
The sgreed or deci	Shipper	, Per	Per A		Ager

Shipper's No	SG-653

		C. Haer Trucking				Carrie	er's No.
		the classifications and tariffs in effect on the date of				_	
at Dint the property of throughout this or toutes, or of said route Bill of Lading Shapper hereby	scribed bel contract : within the to destinati set forth ser forth	TWD. (Date Dat	and condition of contents of packs of the property under the contract) or to seather carrier on the rotter under the contract) or may of said property, that evide the the hereof, if this is a rail of the said bull of lading, including the property of the said bull of lading, including the property of the said bull of lading.	ges unknown), marked, consignagmen to carry to its usual to said destination. It is mary service to be performed or mil-water shipmen, or () ag those on the back thereo	SRUR CAL med, and destined as shall place of delivery at untailly agreed, as to e hereumeer shall be such in the applicable me 6, set forth to the cla	own below, which said destination, is och corner of all the term to all the term too rearrier classification or tanif	enid company (the word company being understood on its own railroad, water line, highway rout or any of said property over all or any portions of the Uniform Donesie Straighton or martir if this is a motior carrier adjunction of the Uniform Donesie Straighton or martir if this is a motior carrier adjunction.
		Sunbury Generation Delivery Shipments, the letters COD must appear before or	(Ate)	l or street address for purposes (of notification only.)		Subject to Section 7 of conditions. If this shipmer is to be delivered to the consigner without recount on the consigner shall sign the
Destinatio	n	Old Trail Rd.	Street	Shamok	in Dam	Clty	following statement: The carrier shall not make delivery of the superior without payment of freight and all oth lawful charges.
		County	PA Delivery_	State	17876	Zip	
Route		(* T	Address	and governing tariffs provide for	iclivery thereat.)		(Signature of consignor.)
Delivering	Carrier	·	Car	or Vehicle Initials and	1 No		C. O. D. Charges to be Paid by
Collect on	Delive	ry \$	And Remit to	City			Shipper Consignee If charges are to be prepaid, write a stamp bere. To be Prepaid."
No. Packages	H.M.	Street	edal Marks, and Exceptions	"Weight (Subject to Correction)		Check Column	
1		load water		5000	gal		Received \$ to app
		#2					in prepayment of the charges on the proper described bereon.
AFE	īř.	51224					Agent or Cushier
A'≌3	#	37-115-20149	· · · · · · · · · · · · · · · · · · ·				(The signature here acknowledges only the amount prepald) Charges Advanced:
Tru	ck#	105					t The fibre containers used for this shipm
Pla	ice#	AF - 72215					conform to the specifications set forth in the t maker's certificate thereon, and all other requirement of Rule 41 of the Dolform Preight Classificat and Rule 5 of the National Moor Preight
NOTE -Where	the rate is de	een two ports by a carter by water, the law requires that the bill of spendent on value, shippers are required to state specifically in wr after of the property is hereby specifically stated by the s	iting the agreed or declared value of the pro-	shipper's weight. openy.	per	<u> </u>	Classification." 15Dipper's imprint in lieu of stamp; not a p of bill of lading approved by the Intens Commerce Comunication.
	-		Shipper, Per				Age
Permanent p	ost-office				Per	,	, ,
	. ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	A M	/	<u>{</u>			

Carrier's I		Carrie	rs No.								
		to the classifications and tarlifs in effect on the date									
property de visual or de foute of Lading supper hereby and the said	CK commen commen within t as desti- ser for certifies error As	Delow, in apparent good order, except as noted (conject as necessarily any person of corporation in possession to territory of its hydroxy operations, otherwate to detection, and as to cach garry of any time interested in the (1) in the Uniform Freight Classification in effect to the continuous properties of the continuous and the sentition with all the ureas and conditions as described on the effect of the conditions of section of the conditions are shortly agreed in the best paper and the conditions of the conditions are shortly agreed in the best paper and the conditions of the conditions are shortly agreed in the best paper and the conditions are shortly agreed in the conditions and the conditions are shortly agreed in the conditions are shortly agreed in the conditions are shortly agreed in the conditions are shortly agreed in the conditions.	s and condition of contents of proof the property under the content of the property of the property. That is an are disk hereof, if this is a to the data hereof, if this is a to the base hereof, if and he data property of the said half of loating, incorporate for bilmerie and his analy	FROM changes unknown, marked, changes unknown, marked, charty to its was as said destination. It creary service to be perfor cut or mail-water shipment, liding those on the back market.	SRVII consigned and usual place (is manually ag- med hereometer or (2) in the thereof, set for	denined as short of delivery at the end of section of the subject applicable more of the section	vs below, which is aid destination, if he carrier of all it to all the terms or carrier classification or tariff	said company (the word company bring understor on its own nairoad, water time, highway ros or any of this property furthern powering Straig from the company of the company of the company of the first own that if this is a moor camer suppose which governs the transportance of this shipmen			
Consigner	ıΤΟ	Sunbury Geenraito	on	Mail or etreet actinass for purp	ses of notificati	on only.)		Subject to Section 7 of conditions. If this skipmer is to be delicered to the consigner without recours on the constiguor, the consignor shall sign the following statement:			
Destination Old Trail Ro. Street Shamokin Dam City							The corrier shall not make delivery of this shipment without payment of fright and all othe lawful charges.				
		County(x	PA Delivery	State	1787	6	Zip				
Route		(*	To be filled in only when shipper desi	res and governing lariffs provid	e for delivery the	rreat.)		(Signature of consignor.)			
Delivering	Carri	erery \$	c	ar or Vehicle Initials	and No			C. O. D. Charges to be Paid by Shipper Consignee			
		•		•	City		State	If charges are to be prepaid, write or many here. To be Prepaid."			
No. Packages	н.м.	Kind of Package, Description of Articles,		*Welghi (8 to Correc	ubject tion)	Class or Rate	Check Column				
1		load water		50	00	gal		Received S to apply in prepayment of the charges on the property described hereon.			
AFE#	_	51244						Agent or Cashier Per (The trenshere here selectowiedges only			
API#	_	37-115-20149						the amount proposed.) Charges Advanced:			
Truc	₹. ў _	#104 MiliE						1"The fibre containers used for this thipment			
Plat	÷#	442-1776						conform to the specifications set forth in the bot maker's certificate thereon, not all other requirement of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freigh			
*If the shipment NOTE Where	moves be the rate i	reach two ports by a carrier by water, the law requires that the bill dependent on value, shippers are required to state specifically in a value of the property is hereby specifically stated by the	eriting the agreed or declared volum of th	s or shipper's weight. se property.	 -	per		Cleasification." †Shipper's imprise in line of starop; new a part of bild of lading approved by the farestate Commerce Commission.			
			Shipper, Per					Agen			
Permanent p address of s	ost-off hipper,	се	<i>A</i>			Per					
				51							

Carrier's I	arrier's Name: <u>C. Haer Trucking</u> CEIVED, subject to the classifications and tariits in effect on the date of the issue of this BIII of lading,						Carrier's No.			
						ים/ פעם	hot			
the property of throughout this or routes, or of said route Bill of Lading Shipper hereby and the said	escribed entender within to to design set for certifies terms so	below, in apparent good order, except as noted (coner as meaning any perios or carporation in possession for tributy of its lightway operations, otherwise to dution, and as to each party or any time interested in the fit is the Uniform Fergin Classification in effect the conditions are berrby agreed to by the happer and	to) nts and condition of concesses of period of the control of the property under the control of the control o	chapes unknown), marked, soil agrees to earry to living the said destination. It every service to be perfusion or all-water thirpness, laiding those on the back ns.	consigned, of is estent pla is retrained is retrained served hereur or (2) in thereof, sat	and destined as shore of delivery at agreed as to a sabje the applicable mo forth in the cla	own below, which is that destination, if the certier of all the terms for earlier classificates its ficulties or tariff	said company the worst company being sederate on its own mirrord, water line. In the con- comment of the confidence of the con- and conditions of the Uniform Domester Straigh in on train! If this its a swoot carmer shipmen which governs the transportation of this stilpmen		
Constance	aТО	Sunbury Generati	on '	Men of street address for pur	poses of notic	lcation only,)		is to be delivered to the consigner without recour- on the consignor. the consignor shall sign the		
On Collection Delivery Shipmans, the latters COD must appear before correlgnes's name or as otherwise provided in flam 430, Soc. 1. Destination Old Trail Rd. Street ShamokinDAm					City	following statement: The carrier shall not make delivery of th shipment without payment of freight and all oth lawful charges.				
		County(Þā	. .	1	7875	Zip			
House			ACCITIES AT TO be filled in only when shipper desk	es and governing tadifs provi	ide for deliver	y thereat.)		(Signature of consignor.)		
		er						C. O. D. Charges to be		
Collect on	Deliv	very \$	And Remit to					Paid by Shipper Consigned		
		Street			City		If charges are to be prepaid, write a starup here. "To be Prepaid."			
No. Packages	H.M.	Kind of Package, Description of Articles,	Special Marks, and Exceptions	*Weight (to Corn	Subject scilon)	Class or Rate	Check Column			
1		load water		500	0	gal		Received S		
		#2			•			in prepayment of the charges on the proper described bereon.		
AFE#		51244						Agens or Cushier		
								(The alguature here acknowledges only the amount preposed.)		
_API	4	37-115-20149	<u> </u>					Charges Advanced:		
_Truc	** ***	\$104 Nile						t "The fibre containers used for this shipme		
Plat	e#	UUR-1776						econform to the specifications set forth in the b maker's certificate thereon, and all other requirement of Rule 41 of the Uniform Freight Cassification and Rule 5 of the National Motor Freight		
		meen for by a carrier by water, the law requires that the bill dependent on value, shippers are required to state specifically in I value of the property is hereby specifically stated by the	= :	or shipper's weight. e property.		Der		Classification." †Shipper's imprint in lieu of stampt sot a r of bit of toding approved by the intenst. Commence Constitution		
			_ Shipper, Per					Age		
Permanent						Per				
address of s	iipper,		. //	<i>J</i> 1		1-61				
			//	5						

		C. Hazer Trucking				Carrie	rs No
		the classifications and tariffs in effect on the date of the Issue of this Bill of it		4 000	wn/h		
DT 111	OUN.	ONE is apparent enough profes, execut as model (profests) and condition of contents	of nucleas unknown) marked		CED /XW	OT.	said correctly (the word correctly being understoo
nout this router, or of said route Bill of Lading Shipper hereby and the said	contract a within the to destinate set forth certifies to terms and	Owe, in apparers good order, except as noted (contents and condition of contents as meaning stry person or corporation in postession of the property tander the territory of its highway operations, otherwise to deliver to absolute curtier on 6 on, and as to each party at any time interested in all or say of said property (15 in the Uniform Frieght Classification or effect on the data throat.) If this half he is familiar with all the terms and conditions of one said bit of basis.	contractl agrees to carry to he route to said destination. I , that every service to be per is a mil or rail-water shipmer , including those on the bad assigns.	its usual plac t is manually formed hereum t, or (2) in t thereof, set	as of delivery as agreed, as to ender shall be subjected as the subjected as the applicable must forth in the classical articles.	said destination, if sets curriet of all set to all the terms stor carner classifical soliteation or tariff	on its own railroad, water line, highway rou or any of stale property over all or any ported is and conditions of the Uniform Donesait Straightion tion or brill if this is a mosor carrier abjunct which governs the transportation of the abjunct
		Sunbury Generaitzon Delivery Shipmerts, the letters COO' must appear before consigners's name or as other	(Mail or street eddress for pa	rposes of notifi	ication only.)		Subject to Section 7 of conditions, if this shipme is to be delivered to the consigner without recour on the consignor, the consigner shall sign if following attentions:
					i mDa n		The currier shall not make delivery of the shipment without payment of freight and all oth
Destinatio	n _نــ	d TrailR d. Street		181110K	111Dan	- 1	tawful charges.
		County Calive	State	17	0/0	Zip	·
Route		County PA Dalive Addre (*To be filled in only when altippe	SSX	idda for dallosa	(thamat)		(Signature of consignor.)
		for 10 ms month or 5 Milest exhibit					
Delivering	Carner		_ Car or venicle infile	is and ivo	٠		C. O. D. Charges to be
Collect on	Delive	ry \$And Rem	it to				☐ Shipper ☐ Consignee
		Street		City		Il charges are to be prepaid. Write stomp here, "To be Prepaid."	
No. Packages	H.M.	Kind of Package, Description of Articles, Special Marks, and Exceptions	"Weight to Cor	(Subject rection)	Class or Rate	Check Column	
1		load water	50	0.0	gal	'	
		;12					Received \$ to ap in prepayment of the charges on the prope described berron.
AFZ	12	51244		1-17			Agont or Cashier
-							Per (The signature bere acknowledges only the amount prepaid.) Charges Advanced:
<u> Ybi</u>		37-115-20149		<u> </u>			s
Tru	<u> </u>	105			<u> </u>		† The fibre containers used for this shipm conform to the specifications set forth in the t maker's certificate thereon, and all other requirems
<u> 21.a</u>		MF - 1215			<u> </u>	<u> </u>	of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Frei Classification."
—Where	the rate is de	eren two ports by a currier by weter, the law requires that the bill of leding shall state whether it is to pendicat on value, thippers are required to state specifically in writing the opreed or declared valuation. The property is hereby specifically stated by the shipper to be not exceeding	er of the property.		per		†Shipper's imprint in the of samp: not a of bill of lading approved by the laters Commerce Commission.
		Shipper, Per					Age
Permanent p		,			Per		
		2 1/6	<u> </u>			······································	
		Bell -	51				

STRAIG	HTE	BILL OF LADING—SHORT FORM ORIGIN	ORIGINAL - NOT NEGOTIABLE			Shipp	Shipper's No. SG-657	
Carrier's 1	Jamo	US Environmental				ß	TIND BINDHIE	
		to the classifications and tariffs in effect on the date of the Issue of this Bill of lac	ting,			Cante	SNOTED WINDS	
at Dil the property of throughout this or routes, or of said route Bill of Lading Shipper hereby and the said	Seribed contract within it to destin set for certifies erms an	the third is a sparser to the companies of the contents and condition of contents of the territory of its lightway coperations, otherwise to deliver to another can be territory of its lightway coperations, otherwise to deliver to another can be called a content of the content	f packages unk outract) agrees route to sak that every ser a rail or rai including those assigns.	FROM SRU news), marked, consigned, a to carry to its usual good destination. It is methally destination to its methally destination,	Reabot and destined as sho to of delivery at spreed, as to ea der shall be subject the applicable most forth in the class	wn below, which said destination, if the carrier of all its terms or carrier classification or tariff	anid company (the word correspon) being understood on its own railroad, water line, highway route or any of said property over all or any portion and conditions of the Uniform Dorreptic Systems and conditions of the States of the States which governs the transportation of this States.	
		Sunbary Generation	(Mail or stree	t address for purposes of notif	leation only.)		Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the	
	n Collect	on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwis					following statement: The carrier shall not make delivery of this shipment without payment of freight and all other	
Destinatio		Old Trail Rd. Street Sa	hmoki			City	lawful charges.	
		County PA Deliver Address (ATa be filled to got when before			06	Z i p		
Route		DEIIVER Addres: (*To be filled in only when shipper of	S * Lesires and gove	ming tariffs provide for deliver	y thereat.)		(Signature of consignor.)	
Delivering	Carri	er And Remit	. Car or Ve	hicle Initials and No	·		C. O. D. Charges to be Paid by Shipper	
Collection	Denv	Street		City		State	If charges are to be prepaid, write or starm here, "To be Prepaid."	
No. Packages	н.м.	Kind of Package, Description of Articles, Special Marks, and Exceptions		"Weight (Subject to Correction)	Class or Rate	Check Column		
1		load water		6300 6300	gal		Received \$ to apply in prepayment of the charges on the property	
		#2					described forcon.	
AFE#		51244					Agent or Cashler	
API#		37-115-20149					(The signature here acknowledges only the amount prepaid.) Charges Advanced:	
Truc	ĸ#	626					5	
Plat	.,	Pf-828)H					conform to the specifications set forth in the bo- maker's certificate thereon, and all other requirement of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification.	
NOTE -Where	the rate is	weed two ports by a canier by water, we low requires that the bill of loding shall rame whether it is ear dependent on value, shipper; an enquired to state specifically in writing the agreed or declared values I value of the property is hereby specifically stated by the shipper to be not exceeding	er's or shipper's of the property.	weight.	PSE		†Shipper's imprint in lieu of stamp; not a pur of bill of lading approved by the Interstat Commence Commission.	
		Shipper, Per			Bo	Meda	E Agen	
Permanent p address of sl	ost-offi ipper,	ce			Per) 	
			1					

TRAIG	HT E	BILL OF LADING—SHORT FO	ORM ORIG	- NOT NEGOTIABLE			er's No. <u>SG-658</u>
Carrier's	Name	: US Environmental				Carrie	7-19109416
	•	to the classifications and tariffs in effect on the date		•			
at Did the property of throughout this or routes, or of said route Bill of Lading Shipper bereby and the said	lescribed contract within t to destir set for certifies terms an	Chair Twin Date of order, except as noted (content as meaning any person or corporation in possession be territory of its lightway operations, otherwise to del solors, and as to teach purry at any time interested in the content of the content of the continue with all the terms and condition of conditions are hereby agreed to by the shipper and	e) 5-16-10 s and condition of contents of of the proporty under the co iver to another courier on the all or any of said property. d on the date hereof, if his is accepted for the said bill of lading, accepted for himself and this as	peckages unknown), nurked, consigned, a struct agrees to carry to its usual plantout to said destination. It is muthally and every service to be performed herein a rail or rail-water shipment, or (2) methoding those on the back thereof, set signs.	AR Cabo no destined as the re of delivery at agreed, as to e- der shall be subje the applicable me forth in the class	was below, which said destination, it is to all the terms for carrier classification or tariff	said company (the word company being understood on its own sairond, water line, Bajaway myte on its own sairond, water line, Bajaway myte on any of said property over sail or any portion and conditions of the Uniform Domestic Suralful for or tailf if this is a motor cervier shipment, which governs the transportation of this sixpenent.
Conciana	aTO	Sunbury Generation	ı	(Mail or street address for purposes of non)	ication only.)		is to be delivered to the consigner without recourse on the consigner, the consigner whall sign the
- (On Callect	on Delivery Shipments, the letters "GOO" must appear before	consignee's name or as otherwise	•			following statemens: The carrier shall not make delivery of this shipment without payment of freight and all other
Destination	n <u>Q</u>	ld Trail Rd.	Street	ShamokinBam	006	City	lawful charges.
		County(*	Delivery	State13	900	Zlp	
Route		(*	To be filled in only when shipper de	sires and governing tariffs provide for deliver	thereat.)		(Signature of consignor.)
Delivering		C. O. D. Charges to be					
Collect on Delivery \$ And Remit to							Paid by ☐ Shipper ☐ Consignee
		01		City		Ciata	If charges are to be prepaid, write or stamp here, "To be Prepaid."
No.	н.м.	Street Street Street	norial Marke and Eventine	"Weight (Subject	Class	State	,,
Packages	-		poor introduction	to Correction)	or Flate	Column	
1		load water		6369	gal		Received \$ to apply
		#2					in prepayment of the charges on the property described hereon.
AF	Ξ#	51224					Agent or Cashice
AP	Ľ#	37-115-20149					(The signature here acknowledges only the amount prepaid.) Charges Advanced:
m _m .	201	4 6 9 6					
Trick# 626 Plate# Pf 8281H							† "The fibre containers used for this shipmen conform to the sperifications set forth in the bor maker's certificate thereon, and all other requirement of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification."
NOTE -Where t	he rate is o	een two ports by a carrier by water, the law requires that the bill of dependent on value, shippers are required to state specifically in water of the property of the propert	riting the agreed or declared value of	's or shipper's weight. the property.			1Shipper's imprint in lieu of stamp; not a par of bill of lading approved by the interstate Commerce Commission.
The agreed of	occurred.	value of the property is hereby specifically stated by the			Ž	were	Agen
Permanent p	ost-office		Completel 1 or		2		/ Agon

	: US Environmetnal			Carrie	r's No. USE Bol# 10943
RECEIVED, subject	to the classifications and tariffs in effect on the date of the issue of this Bill of fading,				
at Dimoc	C TWP. (Date) 5-16-10	FROM X	MKSRWR/	abot	said enumenty (the word company being understood
throughout this contractor routes, or within of said toute to desti- bill of Lading set fo Shipper bereby certifier	below, in apparent good order, except as noted (contents and condition of contents of packages to as meaning any person or corporation in possession of the property under the contract) to the territory of its highway operations, otherwise to deliver to another carrier on the rotal at the territory of its highway operations, otherwise to deliver to another carrier on the rotal at the territory of its highway operations, otherwise to deliver to another carrier on the rotal at the territory of its highway operations, and as no cately party at any time interested in all or any of said property, that every high (1) to the form property classification in effect on the date before, if this is a roal or at (1) to the conditions are berely agreed to by the shipper and accepted for himself and his assigns.	rees to carry to its usual p said destination. It is mutual service to be performed here rail-water shipment, or (2) is those on the back thereof, s	ace of delivery at by agreed, as to each index shall be subject in the applicable moto it forth in the classi-	aid destination, it carrier of all to all the term rearrier classifies lication or tariff	f on its own nailroad, water line, highway route or any of said property over all or any portion is and conditions of the Uniform Domestic Straight idon or tariff if this is a motor currier stipment, which governs the wansportation of this stipment,
and the said terms ar	d conditions are hereby agreed to by the shipper and accepted for himself and his assigns. (Mail or	street address for purposes of no	tification only.)		
Consigned TC	Sunbury Generaion ton Delivery Shipments, the lettere "COD" must appear before consignee's name or as otherwise provided				is to be delivered to the consigner without recourse on the consignor, the consignor shall sign the following statement:
	Old Trail Rd. Street		nD am	Citv	The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.
	CountyPA	State1590	6	Zip	
Route	County PA Delivery Address* (*To be tilled in only withen shipper doctors and				(Signature of consignor.)
=	erCaror				C. O. D. Charges to be Paid by
Collect on Deliv	rery \$And Remit to				☐ Shipper ☐ Consignee
	Street	City		State	If charges are to be prepaid, write or stamp here, "To be Prepaid,"
No. Packages H.M.	Kind of Package, Description of Articles, Special Marks, and Exceptions	"Weight (Subject to Correction)	Class or Rate	Check Column	
7	load water	6300	gal		Rewived \$ 10 senty
	#2				Received \$ to apply in prepayment of the charges on the property described hereon.
					Agent or Cashler
AFE#	512844				Per
API#	37-115-20149				(The signature here acknowledges only the amount prepaid.) Charges Advanced:
m7-//	1018				s
_Truck#	LEIO		+	-	† "The fibre containers used for this shipment conform to the specifications set forth in the box
PLate#	A F 68829				maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Treight Classification and Rule 5 of the National Motor Freight Classification."
*If the shipment moves bet NOTE —Where the rate is	ween two ports by a carrier by water, the law bequires that the bill of lading shall state whether it is carrier's or shipp dependent on value, shippers are required to state specifically in writing the agreed or declared value of the proper	per's weight. ty.			fShipper's imprint in Eeu of stamp; not a part of bill of tading approved by the Interstate Commerce Commission.
The agreed or declared	value of the property is hereby specifically stated by the shipper to be not exceeding	<u></u>	per		L
	Shipper, Per		Sem	l	M. Starry D_Agent
Permanent post-office address of shipper.			Per		
derinass or subher.	,	7	1 , 0,		

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TRAIGHT BI	er's NoSG_6					
	US Environmental				Carrie	or's No. 116704
RECEIVED, subject to	the classifications and tariffs in effect on the date of	the Issue of this Bill of lading	CDOM CD	IP (asho	.+	
the property described betthroughout this contract a or routes, or within the of said route to destinati BIU of Lading set forth Shipper hereby certifies t and the said terms and	K TWD a (Date) tow, in apparent good order, except as soled (centers as meaning any person or corporation is passession of enteriory of its highway operations, otherwise to deliver on, and as to each party at any time interested in all (1) la the Uniform Proliph Instituted in a effect of the conditions are been by stread to, by the thispeer and accorditions are been been by stread to, by the thispeer and acc	and condition of contents of per the property under the constr to another carrier on the to or any of said property, that the date hereof, if this is a of tho said bill of lading, inc exped for himself and his assign	schages unknown), marked, consigned, a sch) agrees to carry to its usual plate use to said destination. It is monally every service to be performed herein revery service to be performed herein landing those on the back thereof, set as.	nd destined as shore of defivery at agreed, as no eac der shall be subject the applicable most forth in the class	wn below, which said destination, it he carrier of all t to all the term or carrier classifica- ification or tariff	said company (the word corepany being understood f on its own railrood, water line, highway route or any of said perperty over all or any portion and conditions of the Uniform Domestic Sunight itins or traiff if this is a motor carrier shipment, which governs the transportation of this shipment,
Consigned TO_		is to be delivered to the consignee without recourse				
	n Delivery Shipments, the letters "COD" must appear before co Old Trail Rd.	nskgnee's name or as otherwise pr	Shamol	kinD Am	L City	following statement: The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.
	County	PA	Ctoto	17876	Zip	
Route		Delivery Address	es and governing lariffs provide for deliver			(Signature of corpsonor.)
Delivering Carrier						C. O. D. Charges to be
-	ry \$					Paid by ☐ Shipper ☐ Consignee
	Street		City		State	If charges are to be prepaid, write or stamp here, 'To be Prepaid."
No. Packages H.M.	Kind of Package, Description of Articles, Spec	da) Marks, and Exceptions	*Weight (Subject to Correction)	Class or Rate		
1	load water		6 8 00	gal		Received \$ to apply
	#32					in prepayment of the charges on the property described hereos.
AFE# ·	51244					Agent or Cashier
API#	37-115-20149					(The signature here acknowledges only the amount prepaid.) Charges Advanced:
Truck#	622					† The fibre containers used for this shipprent
Plate#	AF55386					conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Role 41 of the Uniform Freight Classification and Role 5 of the National Mottle Freight Classification."
	n two ports by a carrier by water, the law requires that the bill of la- pendent on value, shippers are required to state specifically in writh also of the property is hereby specifically stated by the ship		or shipper's weight. property.	per		Classification; †Shipper's intering in Eeu of stamp; not a part of bill of lading approved by the Interstate Commerce Commission.
	s	hipper, Per			111	Agent
Permanent post-office address of shipper,		· · · · · · · · · · · · · · · · · · ·		Per MA	W Ma	
			1	,,,		

Shipper's No. SG-6618 Surbecces # LT. 12 Carrier's Nozuse # 159438

	: US Environmethal				Carrie	ers Nowse #	107 438
	to the classifications and fariffs in effect on the date of	•					
at Dimo	ck Twp. (Date)	5-16-10	FROM_SR	WR/Cabo	ot		
the property described duroughout this contras or roates, or within of said route to dest Bill of Lading set for Shipper hereby certifie and the said terms as	Ck TWP . (Date) . bolow, in apparent good order, except as noted (consists at as meaning any person or corporation in possession of the territory of its lightway operations, otherwise to deliveration, and as to each party at any time interested in all this (1) in the Uniform Fielder Classification in effect on a that he is familiar with all the terms and conditions and conditions are beretyl agreed to by the approximation.	and condition of contents of package the property under the content) it on another corrier on the route to or any of said property, that ever the date hereof, if this is a rail of the said bill of lading, including med for himself and his assigns.	is unknown), marked, consigned, ingress to carry to its usual pla or said destination. It is mutually y service to be performed herour rail-water shipment, or (2) in those on the back thereof, set	and destined as she see of delivery at y agreed, as to e- nder shall be subje- the applicable mo t forth in the class	own below, which said destination, it ach carrier of all est to all the terms tor carrier classifies saffication or bariff	said company (the word con f on its own railroad, water or any of said property over a and conditions of the Uni- ation or tariff if this is a which governs the transports	npany being understood ir line, highway route er all or any portion form Domestic Straight motor carrier shipment, tion of this simpnent,
	Sunbury Generation	(Mail o	r street address for purposes of noti	fication only.)		Subject to Section 7 of co. is to be delivered to the co on the consignor, the co	edictions if this chiamen
On Collec	t on Delivery Stripments, the letters "COD" must appear before con Old Trail Rd.	signee's name or as otherwise provider		DAm	City	following statement: The carrier shall not a shipment without payment of lawful charges.	nake delivery of this f freight and all other
	County	PA	State1	7876	Zip	·	
Route	(*Tot	Delivery Address*				(S)gnature of	
Daring to a Committee	(* tot	e lilled in only when shipper desires an	s governing taims provide for deliver	ry thereat.)			
_	erery \$					C. O. D. Charges Paid by Shipper	
	Street		City				e prepaid, write co
No. Packages H.M.	Kind of Package, Description of Articles, Speci	al Marks, and Exceptions	Weight (Subject to Correction)	Class or Rate	Check Column		
1	load water		6200	gal		Persisted 4	to mak
	#2		7. 5.			Received \$ in prepayment of the ch described hereon.	arges on the propert
3.7177	54544					Agent or 0	Cashier
AFE#	51244					Per	ledges unly
API#	37-115-20149					Charges Advanced:	
Tnuck#	613					\$	sed for this shipme:
Plate#	A F 63829					conform to the specification maker's certificate thereon, a of Rule 41 of the Unifor and Rule 5 of the P	s set forth in the bo
	wefa two posts by a carrier by water, the law requires that the bill of lad dependent on value, shippers are required to state specifically in writin value of the property is hereby specifically stated by the ship		pper's weight. erty.			Classification." †Shipper's imprint in Heu of bill of lading appro Commerce Commission.	
		lipper, Per		Sum	mel K	stally a	Agen
Permanent post-officed dress of shipper.		mbb61,1 61		Per		0	Agen
		Ľ					

TRAIGHT BILL OF LADING - SHORT FORIN ORIGIN NOT NEGOTIABLE					30TIABLE			er's No. <u>SG-662</u>			
Carrier's			ENvironme						Carrie	ors No. 109421	
RECEIVED,	subject to	the classificat	ions and tariffs in effect or	n the date of the Issue (of this Bill of lading	.					
at Din	<u>lock</u>	Two.		(Date) <u>5-1</u>	6-10	· · · · · · · · · · · · · · · · · · ·	FROM	SRWR/6	abot	and assented the mind company being undertood	
throughout this or routes, or of said route Bill of Lading Shipper bereby and the said	contract within the to destinate set forth certifies terms and	territory of its ion, and as to (i) in the United has be in fam.	person or corporation in thighway operations, otherweath party at any time in inform Freight Classification liar with all the series and hereby agreed to by the th	possession of the proper rise to deliver to another crested in all or any of in effect on the date is it consistent of the said apper and accepted for hi	rty under the contr r carrier on the r f said property, the ereof, if this is a bill of loding, in imself and his assi	act) agrees to oute to said t every service rail or rail-w cluding those gas.	o carry to its usual platestination. It is mutually to be performed here after shipment, or (2) in on the back thereof, se	see of delivery at y agreed, as to conder shall be subject the applicable most forth in the class	said destination, i ach carrier of all act to all the term tor carrier classifica ssification or tariff	sald company (the word company being understood (on its own rullroad, water line, highway rooter can yof said property over all or any portion and condition of the Uniform Domestic Straight which governs the unsuperation of this chipment.	
(Mail or street address for purposes of notification only.) Consigned TOSunbury Generalanttion										is to be delivered to the consigner without recourse on the consignor, the consignor shall sign the	
~ (on Collect or	n Delivary Shipm	enta, the letters "COD" must ap	pear before consignee's na	me or as otherwise p		Shamok:	in Dam		following statement: The carrier shall not make delivery of this shipment without payment of freight and all other	
Destinatio			Trail Rd.						City 376Zip	lawful charges.	
		<u> </u>	County	P	Delivery .	S	tate	170	Zip		
House				(*To be filled in or	Address * nly when shipper desi	es and govern	ing tailfs provide for delive	ry thereal.)		(Signature of consignor.)	
Delivering	Carrier			·	c	ar or Vehi	cle Initials and No	o		C. O. D. Charges to be	
Collect on	Delive	ry \$			And Remit to					Paid by ☐ Shipper ☐ Consignee	
			Street_				Citv		State	If charges are to be prepaid, write or stamp here, "To be Prepaid."	
No. Packages	HML		Kind of Package, Description o		nd Exceptions		"Weight (Sub)ect to Correction)	Class or Rate	Check Column		
1			load wate	er			6 3 00	gal		Received \$to apply	
1				2		1				In prepayment of the charges on the property described hereon.	
AFE#			51244							Agent or Cashier	
				1.40						Per (The signature bere acknowledges only the annount prepaid.)	
API#			37 - 115-20	1149						Charges Advanced:	
Truc	k#	622								t "The fibre containers used for this shipment	
Plat	e#	AFS	5384							conform to the apecifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification."	
"If the shipment of NOTE —Where I	poves betwe the rate is de	en two ports by a condent on value.	arrier by Water, the law requires t shippers are required to state spec	hat the bill of lading shall stat rifically in writing the agreed	e whether it is carrier's or declared value of th	or shipper's wel	gha			†Shipper's imprint in lieu of stamp; not a part of bill of lading approved by the Interstate	
The agreed or	declared va	lue of the prope	erty is bereby specifically sta	ted by the shipper to be n	ot exceeding			per		Commerce Commission	
			· <u>-</u>	Shipper,	Per				11.	Agent	
Permanent po address of sh	Permarent post-office address of shipper.										
						47					
						- 11					

		: C. Haar Trucking to the classifications and tariffs in effect on the date of the issue of this Bill o	1 lading,		· · · · · · · · · · · · · · · · · · ·	Carrie	r's No.
the property of throughout this or resites, or of said route Bill of Lading Shipper hereby and the said	escribed contract within to to destin set for centifies terms an	below. In apparent good order, except as noted (contents and condition of contents as meaning any person of corporation in possession of the property under the territory of its inglaway personal conversation, and us to each party at any fine Interested in all or any of said property to the content of the little of the content of the c	is of packages unle contract) agrees the route to sal thy, that every ser a is a rail or railing, including the assigns.	FROM Sknown), marked, consignor to early to the issual didestination. It is much vice to be performed the water shipment, or (2) to on the back thereof.	A and destined as all place of delivery at ally agreed as to extended that he subject in the applicable moset forth in the clot	own below, which said destination, is carrier of all the terms for earrier classification or tariff	said sompany the word company being understood for its own relificational, water like highway route or eary of said property over all or any portion as and condutions of the Uniform Domestic Struight door or teril if this is a motor convier shipment, which governs the stransportation of this shipment.
Consigne	d TO	Sunbury MEXGeneration on Dalivary Shipmonts, the letters "COO" must appear before consigner's name or as often	[Mail or stre	et address for purposes of em 430, Sec. 1.	notification only.)		Subject to Section 7 of conditions, if this shipment is to be delivered to the consigner without recourse on the consignor, the consignor shall uge the following statement: not make delivery of this hipment without payment of freight and all other.
		Old Trail Rd. Street County PA Deliver Addr.		State	17876	City Zlp	Supplier without payment of trains and an outy
Route		Adds (*To be Siled in any when ship	PSS *	aming tariffs provide for de	ivery thereat.)		(Signature of consignor.)
Route							C. O. D. Charges to be Paid by Shipper Consignee
		Street		Citv_		State	If charges are to be prepaid, write or stamp here. "To be Prepaid."
No. Packages	н.м.	Kind of Package, Description of Articles, Special Marks, and Exceptions		"Weight (Subject to Correction)	Class or Rate	Check Column	
_1		load water .		\$5000	gal		Received 5 100 apply in prepayment of the charges on the propent described hereon.
 AFT:		#2 51244					Agent or Cushier
API		37-115-20149					Per (The signature here acknowledges ealy the amount prepaid.) Charges Advanced:
Truc	k	Apol Milic					† The Obre considers used for this shipmen conform to the specifications set forth is the bo- maker's certificate thereon, and all other requirement
Pla		442-1776 Investing parts by a carrier by water, the law requires that the bill of lading shall state whether it is	المستناه معرف المستناد				of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification."
NOTE -Where	the rate la	invest two points by a miner by water, the two requires the use on the change hand state waters in a dependent on value, all locat are required to state specifically a fitting the agend declared with the property is bereity specifically stated by the shipper to be not exceeding the change of the property is bereity specifically stated by the shipper to be not exceeding the change of the property is bereity specifically stated by the shipper to be not exceeding the change of the property in the change of the property is bereity specifically stated by the shipper to be not exceeding the change of the property in the change of	alus of the property.	weight	per		†Shipper's impriet in lied of stamp; not a put of bill of lading approved by the interstat Commerce Commission.
		Shipper, Per	<u> </u>				Agen
Permanent p address of s	ost-offi hipper,	· Chin Spicher (SUN GEN)			Per		
			۲٦				•

		C. Haer Trucking	to of the focus of the Mill of h				Carrie	r's No.
•	•			•				
Dim	OC.	TWP. (Da	ate) 5-15-10	FROM	/ <u>SR</u>	IR/Cabo	ot	
of said source Bill of Lading Shipper hereby and the soid i	contract within the te destro set for contract to destro set for	Diow. in apparent good order, except as soled from as meating any person or composition in posterior of its lightway operations, otherwise to allow the control of the cont	ems and consistent of contents as of the property under the deliver to seother carrier on the fin all or any of seid property; no the date hereof, if this cas of the said bill of lading decepted for himself and his	contracting the monowing to the contracting of the contracting	tis usual pirtis mutually formed hereu t. or (2) is thereof, se	and destined as an acc of delivery at y agreed, as to g ander shall be subject the forth in the classic forth in t	own below, which said destination, it such currier of all set to all the term stor carner classification or tariff	said company the word company owns constituted on its own rulesast, water line, highway rous or any of said property over all or any portlos a and conditions of the Uniform Domestic Straightion or exactly the Uniform Domestic Straightion or exactly it is a motor carrier shipment which governs the transportations of this shipment
Consigned	οTε	Sunbury Generat:	Lon	(wall or street scorete lot be	irposes of not	illication only.)		Subject to Section 7 of conditions, if this shipmen is to be delivered to the consigner without recours on the consignor, the consignor shall sign the following statement:
		on Delivery Shipments, the latters "COD" must appear bel			- n.		İ	The carrier shall not make delivery of the thippress without poyment of freight and all other
		Old Trail Rd.					Clty	mwini charges.
		County	*************************************	State		<u> 17876</u>	Zip	
Route			Delive	^{ry} ★				
			(*To be filled in only when skipps	r desires and governing teriffs pro	vide for delive	ry thereal.)		(Signature of consignor.)
Delivering	Carri	er		_Car or Vehicle Initia	is and N	0		C. O. D. Charges to be
Collect on	Deliv	ery \$	And Rem	ilt to				Paid by ☐ Shipper ☐ Consignee
		Street			City		State	If charges are so be prepaid, write a stamp here. To be Prepaid."
No. Packages	H.M.	Kind of Package, Description of Articla		*Weigh	(Subject	Class or Rate	Check Column	
1		load water		50	00	cal		
		1080 #4001			00	1 22-		Received S to nppl in prepayment of the charges on the propert described hereon.
<u> </u>		51244						Agent or Cashier
W57.	1-	51244					 	Per (The algorature here acknowledges only
API:		37-115-20149		l			1	the amount propoids Charges Advanced:
77	,,	105						
Truc		AF-72215						t The fibre containers used for this shipmer conform to the specifications set forth in the bu- maker's certificate thereon, and all other requiremen- of Rule 41 of the Uniform Freight Classification
Plat			att actualism shall amin mhachaidh in a				<u> </u>	und Rule 5 of the National Motor Freigi
		wrees two ports by a corrier by water, the law requires that the f dependent on value, adopters are required to stone specifically	-	e of the property.				of bill of ladine approved by the intensity
agreed or	declared	volue of the property is hereby specifically stated by	the shipper to be not exceeding			per		Commerce Compagnios.
			Shipper, Per	·—————		1		Ager
Pennanent p	ost-offi: hipper	1				Per		•
1				1			•	
				Ļ				

Shipper's I	No.	SG-	6	55	

	e: C. Haker Truckin				Carrie	r's No.		
		•		an				
the property describes	below, in apparent good order, except os noted (cont	ite) 5-16-10	tages unknown), marked, coss	SRVR/Cabl	DT. wn below, which	said company (the word company being underst		
throughout this control or soutes, or within of said route to der Bill of Lading set. Shipper hereby certifiand the said terms	below, in apparent good order, except os noted (context as mecuning any person or corporation by postate that tentings of its highway operations, atherwise to intention, and as to each purry at my time interested from 1111 in the Uniform Print'ph Classification in effect at that the is familiar with all the terms and contention are hereby agreed to by the diappear as	on of the property under the contract deliver to another currier on the rout in all or any of said property, that on the date bereaf, if this is a ro- ous of the said bill of loding, lock is accepted for blesself and his assigns	its agrees to courty to its use to said destination. It is every service to be performed all or rall-water ahipment, or uting those on the back that is.	uist pince of delivery at mutually agreed, as to ear I beceunder shall be subject (2) in the opplicable mou- cof, set forth in the class	sald destination, it is carrier of all it to all the term or eather classifica utication or tariff	f can its own militood, water live, highway ru or any of said property over all or any ports, and conditions of the Uniform Demestic Straigh itles or tailf if this is a motor carrier shipment which governs the transportation of this shipment		
Canalana TO	Sunbury Generatio	vn CT	fall or street address for purpose	s of notification only.)		Subject to Section 7 of conditions, if this shipmen is to be delivered to the consigner without recours on the consigner, the consignor shall sign the following statement:		
	Old Trail Rd.			mokin Dam	Citv	The carrier shall not make delivery of this shipment without payment of freight and all othe lawful charges.		
	County	PA	State 1	7875				
Route		*To be filled in only when shipper desire	a and governing tantls provide to	r delivery thereat.)		(Signature of consignor.)		
	rier					C. O. D. Charges to be		
Collect on Del	ivery \$	And Remit to	······································	···		Paid by □ Shipper □ Consignee		
	Street		Ch	ν	State	If charges are to be prepaid, write o stamp bere. To be Prepaid."		
No. Paticages H.M	Kind of Packaga, Description of Articles	, Special Marks, and Exceptions	"Walght (Subj	ect Class) or Rate	Check Column			
1	load water¤		500	0 gal				
	712	,	300	0 442		Received \$ to apple for prepayment of the changes on the proper described hereon.		
AFE#	51244					Agent or Cothier		
API#	37-115-20149	}				(The signature here acknowledges only the amount propold.) Charges Advanced:		
Truck	1 1							
Plate	3					f The fibre containers used for this shipme conform to the specifications set forth in the br maker's certificate thereon, and all other requiremen- of Rule 41 of the Uniform Preight Classification		
of the shipment moves NOTE —Where the rate	between two ports by a carrier by water, the law requires that the b is dependent on value, shippers are regulard to state specifically i	a writing the agreed or declared value of the	or shipper's weight. properly.	ll		and Rule 5 of the Notional Motor Freig Cheatification." 15htpper's imprine in lieu of stamps not a r of bill of Luding approved by the laters Computer Commission.		
The agreed or declar	ed value of the property is hereby specifically stated by t	he shipper to be not exceeding		per		Commerce Commission,		
		Shipper, Per				Ager		
Permanent post-c address of shipper	Mice .	<i></i>		Per				
	Belle		4]					

∠TRAIGH	TBILL OF LADING—	ORIGINAL - NO	L - NOT NEGOTIABLE Shipp			per's No. <u>SG-666</u>	
Carrier's Na	me: C. Haer Tri	cking				Сапіє	er's No.
RECEIVED, sub	ect to the classifications and tariffs in	effect on the date of the issue					
at_ Dim	ock Twp.	(Date) <u>5-1</u>	6-10	FROM_SRV	VR/Cabo	t	
the property descri- throughout this co- or routes, or with of said route to Bill of Lading se Shipper hereby co- and the said term	bed below, in apparent good order, ex- oract as meaning any person or corpo- in the territory of its highway operation destination, and as to each party at in a fouth (1) in the Uniform Pright Cla- tifies that he is familiar with all the and conditions are hereby agreed to	pt as noted (contents and condition ration in possession of the propers, otherwise to deliver to another y time atterested in all or any o stification in effect on the date he terms and conditions of the said by the shipper and accepted for in	on of cocletts of packages trity under the contract) ago or currier on the route to of said property, that every sereof, if this is a call or bill of bading, including timeelf and his ussigns.	unknown), marked, consigned, sees to curry to its usual phraid destination. It is mutually service to be performed herevisid-water shipment, or (2) in those on the back thereof, see	and dostined as sho ace of delivery at y agreed, as to ea nder shall be subje the applicable root t forth in the class	own below, which said detination, i said carrier of all said carrier of all the term or carrier classification or tariff	said company (the word company being understood for its own railroad, water line, highway route or any of said property over all or any portion said conditions of the Uniform Of control highway to the condition of the Uniform Of control highway watch governs the transportation of this shipment, which governs the transportation of this shipment.
Consigned 1	O Sunbury Ge	eneration	(Max dr	street address for purposes of not	fication only.)		Subject to Section 7 of conditions, if this shipment is to be delivered to the consigner without recourse on the consignor, the consignor shall sign the following statement:
On C	otection Delivery Shipments, the letters TCC Old Trail I	D° must appear before consignee's re	•		me(ו'ז		The carrier shall not make delivery of this shipment without payment of freight and all other
Destination .						City	lswful charges.
Pouto	Count	y 	Dalasas	_ State		Zip	
noute		(★To be filed in o	nly when shipper desires and p	poverning tariffs provide for delive	ry thereat.)		(Signature of consignor.)
Delivering C	elivery \$		Caror				C. O. D. Charges to be Paid by Shipper Consignee
2000.02	•		, , , , , , , , , , , , , , , , , , , ,	0.1			If charges are to be prepaid, write or stamp here, "To be Prepaid."
No.		Street escription of Articles, Special Marks, a	nd Everetions	City "Weight (Subject	Class	State	, , , , , , , , , , , , , , , , , , , ,
Packages H	min is rectage, o	complete or Atticates, opecial marks, a	and Exceptions	to Correction)	or Rate	Column	
1	load v	vater		5000	gal		
		#2					Received \$
AFE#	51244						Agent or Cashier
FIE 15tf	31244	······································					Per (The signature here acknowledges only the amount prepaid.)
API#	37-11	5-20149					Charges Advanced:
Truck	# 100 - RON	K .					
Plate		<u> </u>	****				t "The fibre containers used for this shipmen conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight
	s between two ports by a carrier by water, the late is dependent on valve, shippers are required	w requires that the bill of lading shall sta to state specifically in writing the agreed	te whether it is carrier's or shippe to redeclared value of the property	r's weight.	<u> </u>	····	Classification." †Shipper's imprint in lieu of stampt not a part of bill of lading approved by the interstate
	ared value of the property is hereby spec				per		Commerce Commission.
		Shipper,	Per				Agen
Permanent post- address of shipp	office er,	-, .			Per		
	130		<u> </u>				

Shippers	NO	<u>SG-1</u>	10/
121-	D	044	MPT

Carrier's	Name	: US Environmental			Caffie	-A1094ST
		to the classifications and tariffs in effect on the date of the issue of this Bill of lading,				
at_Dir	noc!	k Twp. (Date) 5-17-10	FROMS	RWR/cal	bot	
the property of throughout this or routes, or of sald route Bill of Ladin; Shipper hereby and the said	described s contrac within to to desti- g set for certifier terms an	C TWD a (Date) (Date) 5-17-10 below, in apparent good order, except as noted (contents and condition of contents of packages to as meaning my person or conposition in possession of the property sader the content of the territory of its lightway coperations, otherwise to deliver to another carrier on the rouse tration, and as to each party in any time interested in all or any of said property, that every had (1) is due to Uniform Include Classification in effect on the case series if their is a call or that or is feature with all the terms and conditions of the said with all the conditions are the conditions of the said or the conditions are the conditions of the said or the conditions are the conditions of the said or the conditions are the conditions of the said for the conditions are the conditions of the said for the conditions are the conditions and the conditions are the conditions and the conditions are the conditions and the conditions are the conditions and the conditions are the conditions are the conditions and the conditions are the conditions and the conditions are t	unknown), marked, consigned, sees to carry to its usual ple said destination. It is mutually pervice to be performed here rail-water shipment, or (2) in home on the back thereof, set	and destined as since of delivery as y agreed, as to conder shall be sub- the applicable to t forth in the cla	town below, which is said destination, is the carrier of all eet to all the term of or carrier classification or tariff	said company (the ward company being understood for its own mairoad, water line, highway toute or any of said property over all or any portion as and conditions of the Uniform Domestic Stright tides or tariff if this is a motor carrier alignment, which governs the transportation of this slipment.
		(Mail or s Sunbury Generation ton Delivery Shipments, the letters "COO" must appear before consigneer's mame or as otherwise provided in	treat socress for briboses of vol	fication only.)		Subject to Section 7 of conditions, if this shipment is to be delivered to the consignor without recourse on the consignor, the consignor shall sign the following statement:
		Citv	The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.			
Destinant		©XOld Trail Rd. Street County PA	State 1	7886	Zip	•
Route		Delivery Address (*To be filled in only when shipper destres and s			21p	
110010		(*To be filled in only when shipper desires and s	poverning tariffs provide for delive	ry thereat.)		(Signature of consignor.)
Delivering	Carri	erCar or \	ehicle initials and No	o		C. O. D. Charges to be
Collect on	ı Deliv	ery\$And Remit to				Paid by ☐ Shipper ☐ Consignee
		Street	City		State	If charges are to be prepaid, write or stamp here, "To be Prepaid."
No. Packages	нм	Kind of Package, Description of Articles, Special Marks, and Exceptions	"Weight (Subject to Correction)	Class or Rate	Check Column	
1_		load water	6 900	gal		Received Sto apply
		#2				Received S to apply in prepayment of the charges on the property described hereon.
AFI	#	51244				Agera or Cashier
API	#	37-115-20axx149				(The signature here acknowledges only the amount people() Charges Advanced:
Tru	kk	626				\$
Pla	te	P+8281H				maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification."
NOTE Where t	he rme is a	nem two parts by a earlier by waife, the fine requires that the bill of beling shall state whether it is carrier's or shippe dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property value of the property is hereby specifically stated by the shipper to be not exceeding	r sweight.	 ~		†Shipper's imprint in lieu of stamp; not a part of bill of lading approved by the Interstate Commerce Commission.
		Shipper, Per) Ba	nell	EAgent
Permanent po address of sh	ost-offici ipper,	3		Per	$\overline{}$	
		1				

TRAIG	HTI	BILL OF LADING—SHORT FORM	ORIG	- NOT NE	GOTIABLE		Shipp	er's No. <u>SG-668</u>
							R	1- A109248
Carrier's	Name	: US Environmental					Carne	ers No.
	•	to the classifications and tariffs in effect on the date of the issue						
at_Di	moc	k Twp. (Date) 5-1	7-10		FROM_XX	SRWR/C	abot	
the property d throughout this	lescribed contrac	below, in apparent good order, except as noted (contents and condition as meaning any person or corporation in possession of the prope-	at of contents of the moder the c	of packages unkno contract) agrees to	wn), marked, consigned. o carry to its usual pl	and destined as shace of delivery at	own below, which said destination, i	said company (the word company being understoo f on its own railroad, water line, highway rou
of said route of said route Bill of Lading Shipper hereby	within to desir set for certifier	L TV70. (Date) below, is appared good order, except as noted (contents and condition to a machine gary person or corporation in possession of the proposed for territory of its highway operations, otherwise to delive to another exciton, and as to each party at any time interested in all or any of the conditions and as to each party at any time interested in all or any of the conditions with all the terror and conditions of the gaid to conditions are betterly agreed as by the shaper and accepted for his	f said property, ereof, if this is bill of lacking.	he route to said that every services is a rail or rail-w , including those	destination. It is mutuall e to be performed herev rater shipment, or (2) in on the back thereof, so	ly agreed, as to en moter shall be subje to the applicable most torth in the cla	ach carrier of all ect to all the term stor carrier classifica ssification or tariff	or any of said property over all or any posti- s and conditions of the Uniform Domestic Straig tion or tariff if this is a motor earrier shipmen which governs the transportation of this shipmen
			amself and his	(Mall or street a	iddress for purposes of not	ification only.)		Subject to Section 7 of conditions, if this shipme is to be delivered to the consigner without recour
Consigne	a TC	Sunbury Generation		•	, ,			on the consignor, the consignor shall sign t
,	on Collec	I on Delivery Shipmen's, the letters "COD" must appear before considere in	ume or as otherwis	ise providad in item	430, Sec. 1.			following statement: The carrier shall not make delivery of the shipment without payment of freight and all of
Destination	n	Old Trail Rd. St	reet	_	Shamok	in Dam	City	shipment without payment of freight and all of lawful charges.
		County(*To be filled in a	PA	S	tate1787	6		
Route			Deliver	ny *				
. 10010		(★To be filled in a	nly when shipper	desires and govern	ing tariffs provide for delive	ery thereat.)		(Signature of consignor.)
Delivering	Cami	er		_ Car or Vehi	icle Initials and N	0		C. O. D. Charges to be
								Paid by
Collect on	Deliv	ery \$	And Remit	it to				☐ Shipper ☐ Consignee
		Chroat			Oit.		State	If charges are to be prepaid, write stamp here, "To be Prepaid."
No.		Street			"Weight (Subject	Class	Check	
Packages	H.M.	Kind of Package, Description of Articles, Special Marks, a	nd Exceptions		to Correction)	or Rate	Column	
					LODO			
1	1	load water			& €	gal		Received \$to app
								in prepayment of the charges on the proportion
		#2						Sections acress,
	П	. 11.60						Agent or Cashler

TRAIGHT BILL OF LADING—SHORT FORM

51244

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding

Permanent post-office address of shipper,

37-115-20149

DIM0227454

		:US ENvimronmental				Carrie	er's No. US & Bol 109 430
		to the classifications and tariffs in effect on the date			_		
at Din	(OC)	k Twp. (Date) 5-17-10	FROM SRW	R/Cabot	one below which	said someon (the word someone being understood
throughout this or roules, or of said route Bill of Lading Shipper bereby and the said	contract within t to destir set for certifies terms an	C TWD • (Date blow, in apparent good order, except as noted (contents as meaning any person or corporation in postession the turnbury of its lightesty operations, otherwise to deliveration, and as to such party at any time interested in h(1) in the Uniform Freety Classification in effect or the term and conditions are healthy spread to by the hipper and a conditions are healthy spread to by the hipper and a	of the property under the contract ever to enother carrier on the rout all or any of said property, that of a the date hereof, if this is a re of the said bill of lading, incho coepted for himself and his assigns	at the said destination. It is usual pieto said destination. It is mutual very service to be performed here if or mil-water shipment, or (2) it fing those on the back thereof, so	ace of delivery at by agreed, as to en- soder shall be subject the applicable most in forth in the class	said destination, is ach carrier of all est to all the term for earrier classifica stification or turiff	on its own railroad, water line, highway roots or any of said property over all or any portion is and conditions of the Uniform Domestic Stralghtoist or tariff if this is a motor corrier shipment, which governs the transportation of this shipment,
		Subject to Section 7 of conditions, if this shipment is to be delivered to the consigner without recourse on the consigner, the consignor shall sign the following statement:					
		Sunbury Generation of Delivery Shipments, the letters "COO" must appear before a Trail Rd.			DARD DW	0.0	The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.
Destinatio	₩ <u>1+</u>	z IIaII ku.	Street	SHAMOKIH	4202C	City	
Pauto		County(*1	Delivery	State	1/8/6	Zip	
noule		(★⊺	o be filled in only when shipper desires	and governing tariffs provide for delive	ry thereat.)		(Signature of consignor.)
		er					C. O. D. Charges to be
Collect on	Deliv	Paid by ☐ Consignee					
StreetState							If charges are to be prepaid, write or stamp here, "To be Prepaid."
No. Packages	H.M.	Kind of Packaga, Description of Articles, Sp		"Weight (Subject to Correction)	Class or Rate	Check Column	
1		load water		62900	22]		
		10au water		0200	gal		Received \$to apply in prepayment of the charges on the property
		#2					described hereon.
AFE:		5 % 1244					Agent or Cashier
		341244			1		Per
API#		37-115-20149					Charges Advanced:
		(18					s
_Truc	K#	410					† The fibre containers used for this shipment conform to the specifications set forth in the box
Plat		AF 68829					maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight
*If the shipment a NOTE —Where t	noves ben he rate is	we'n two ports by a carrier by water, the law requires that the bill of dependent on value, shippers are required to state specifically in wr	lading shall state whether it is carrier's or ting the agreed or declared value of the p	shipper's weight. roperty.			Classification." †Shipper's imprint in lieu of stamp; not a part of bill of lading opproved by the Interstate
The agreed or o	lectared	value of the property is hereby specifically stated by the s	hipper to be not exceeding		per	···········	Commerce Commission.
			Shipper, Per		Suc	une	. J. Slaste Gagent
Permanent po		e			Per		0
				$\overline{1}$			

(RAIG	HT BILL O	F LADING—SHORT FOF	RM ORIGII	- NOT NEGOTIABLE		Shipp	ers NoSG-670
Carrier's N		IS Environemtnal				Carrie	rs No. 109 422
,		sifications and tariffs in effect on the date of		·			
the property de throughout this or routes, or of said mute the Bill of Lading Shipper hereby and the said to	scribed below, in contract as meaning within the territory to destination, and set forth (1) in certifles that he items and conditions and conditions that he items and conditions that he items and conditions that he items and conditions that he items and conditions that he items and conditions that he items and conditions that he items and conditions that he items and conditions that he items and conditions that he items are the conditions are the conditions are the conditions are the conditions are the conditions are the conditions are the conditions are the conditions are the condition	On (Date) paparent good order, except as noted (constent) arg any person or corporation in possession of of the highway operations, otherwise to delive the business of the control of th	5-17-10 and condition of contents of the property under the continuous of the young of any of asid property, the date hereof, if this is a full the said bill of lading, in period for himself and his asid	FROM SRW packages unknown), marked, consigned, a maci) agrees to carry to its usual pla oute to said destination. It is muusully if every service to be performed hereat mail or raid-water thipparent, or (2) in cluding those on the back thereof, set gus.	R/Cabot md destined as sho ce of delivery at agreed, as to eac sder shall be subject the applicable mote forth in the class	an below, which said destination, if h carrier of all to all the terms or carrier classifica- lification or tariff	said company (the word company being understood on its own malroad, water late, highway rotter any of said property orre all on any portion or and fifth of the said of the sa
				tiving of street address for burbusing or non-	ication only.)		Subject to Section 7 of conditions, if this shipmen is to be delivered to the consigner without recours on the consignor, the consignor shall sign the
		inbury Generation Shipmanus, the letters "COO" must appear before co					following statement: The carrier shall not make delivery of thi shipment without payment of freight and all othe
Destination		TrKail_Rd.				City	sammen without payment of neight and an one lawful charges,
		County	PA	State 1	7876	Zip	
Route		(*To	Delivery Address be filled in only when shipper des	lines and governing tariffs provide for deliver	y thersat.)		(Signature of consignor.)
Delivering	Carrier			· ·			C. O. D. Charges to be
_							Paid by ☐ Shipper ☐ Consignee
		Street		Citv		State	If charges are to be prepaid, write of stamp here, "To be Prepaid."
No. Packages	нм.	Kind of Package, Description of Articles, Spe-		*Weight (Subject to Correction)	Class or Rate	Check Column	
1		load water		6000	gal		Received \$ to appl
		#2					Received \$
AFE#		51244					Agent or Cashier
API#		37-115-20149					The signature here acknowledges only the amount prepaid.) Charges Advanced:
Mara ale	# (₀ 27						s
<u>Truck</u> Plate	1 1	5538G				-	t "The fibre containers used for this shipmer conforms to the specifications set forth in the be maker's certificate thereon, and all other regularment of Rule 41 of the Uniform Freight Classification and Plate 5 of the National Moster England
*If the shipment of	noves between two por	its by a carrier by water, the law requires that the bill of he in value, shippers are required to state specifically in writing	ding shall state whether it is carrier ag the agreed or declared value of the	s or shipper's weight.			and Rule 5 of the National Motor Freigi Classification." tShipper's imprint in lieu of stamp; not a pa of bill of lading approved by the Internal
	-	e property is hereby specifically stated by the sh			per		Commerce Commission.
		8	Shipper, Per				Ager
Permanent p	ost-office	-	., . ,		Per A	ht Su	
address of sh	ipper,				LLE! TON	· ~	·

DIM0227454

Shippers	No.	SG-	6	71	

		: C. figer Prucking to the classifications and tariffs in affect on the date of the lasue of this Bill of facing.			Carrie	er's No.
			EDOM Som	n /mahod	-	
the property of throughout this or reates, or of said route Bill of Lading Shipper hereby and the said	escribed contract within to to destir set for certifies terms un	below, in apparent good order, except as noted (contents and candition of contents of packs is a rectainly any person or Corporation in posteration of the property under the control to territory of its highway operature, whereware to deliver to another corpier on the control to the property under the control to the territory of its highway operature, whereware to deliver to another corpier on the centered and or any of said property, that exist all the control of the	ages unknown; marked, consigned, a agrees to carry to its usual place to stall destination. It is mutuably very service to be performed hereun in particular shipment, or C21 in the market back thereof, set	ad destined as sho to til delivery at agreed, as to es der shall be subject the applicable mot forth in the class	was below, which said destination, i ch currer of all it to all the term or currer elassification or jurist	said company the word company being understry, for his own railroad, where line, highway rea, or any of said property over all or any portion as and conditions of the Uniform Domester Straight time is a succor exarter stigment which governs the transportation of this shipment
		(Mai Sunbury Generation ton Delivery Shipments, the letters "COO" must appear before consigned a norma or as otherwise providence.	n or enset workers for brubbers of your	ication only.)		subject to Section / of concuouss, if this stupmen is to be defivered to the consigner without recours on the consigner shall sign the following statement:
		t on Delivery Shipments, the letters 1000 must appear before consigneer's name or es otherwise provided the consigneer's name or es otherwise provided the consigneer's name or es otherwise provided the consigneer's name or es otherwise provided the consigneer's name or es otherwise provided the consigneer's name or es otherwise provided the consigneer's name or es otherwise provided the consigneer's name or es otherwise provided the consigneer's name or es otherwise provided the consigneer's name or es otherwise provided the consigneer's name or es otherwise provided the consigneer's name or es otherwise provided the consigneer's name or es otherwise provided the consigneer's name or es otherwise provided the consigneer's name or es otherwise provided the consigneer's name or es otherwise provided the consigneer's name or established the consigneer's name or established the consigneer's name or established the consigneer's name or established the consigneer's name or established the consigneer's name or established the consigneer's name or established the consistency of the consistency or established the consistency or establishe		kin Da.	City	The carrier shall not name delivery of this shipmens without payment of freight and ail othe lawful charges.
Desunado	"ı <u> </u>	County	State 17	876	Zip	
Route		County DA Delivery Address * (*To be filled in only when altipper desires.	State		zıp	(Signature of consignor.)
-		er Car very \$ And Remit to				C. O. D. Charges to be Paid by Shipper Consignee
		Street	City		State	If charges are to be prepaid, with a stamp here. To be Prepaid.
No. Packagas	H,M.	Kind of Package , Description of Articles, Special Marks, and Exceptions	"Weight (Subject to Correction)	Class or Rate	Check Column	
1		load water	5000	gal		Received \$ to apply to be property of the charges on the property
		#2				described hereun,
AFE	11.	51244				Agent or Cashier
<u>}</u> PI	;;	37-115-20149				(The signature here acknowledges only the arrount pretail) Charges Advanced
Figels	ok.	4104 Hille				† "The flore containers used for this shipmen
21.a		44K-1776				conform to the appellications set forth in the be maker's certificate thereon, and all other requiremen of Rule 41 of the Uniform Preight Classificati, and Rule 5 of the National Motor Preigh Classification.
NOTE Where	the ento it	resed in 6 parts by a carrier by water, the law requirer that the bill of lading shall state whether it is cartler's or a dependent on value, shippers we required to date specifically in writing the agreed or declared value of the pri I value of the property is bereby specifically stated by the shipper to be not exceeding	shipper's weight. openy.	bet		Classification. Thipper's imprime in fiew of stamps not a poof bill of lading approved by the laterate Commerce Commission.
		Shipper, Per				Ager
Permanent p				Per		
			<u>दी</u>			

STRAIG!	HTB	ILL OF LADING—SHORT FORM	ORIGINAL - NO	TNEGOTIABLE		Shipp	er's No. SG-672
Carrier's N						Carrie	er's No
	•	o the classifications and tariffs in effect on the date of the					
at Dim	<u>iock</u>	T Wp. (Date)	=17-10	FROM_SRI	VR/cabo	ot	
the property de- throughout this or routes, or to of said route to Bill of Lading Shipper hereby and the said to	escribed by contract within the to destina set forth certifies erros and	clow, in apparent good order, except as noted (contents and as meaning any person or corporation in possession of the certificary of its lightway operations, softenessed in all or look, and as to each party at any time interested in all or its the dufflers proppir Chasticiation in effect on the last control of the contr	condition of contents of packages properly under the continct) ago another carrier on the route to any of said property, that every date beroof, if this is a rail or e said biff of lading, including to for himself and his assigns.	unknown), marked, consigned, sees to carry to its usual phrased destination. It is mutually service to be performed herea rail-water shipment, or (2) in those on the bock thereof, see	and destined as above of delivery at a spreed, as to ender shall be subjusted the applicable most forth in the classical control of the classical	own below, which said destination, is said testination, is said the term of all the term to artiful ar	said company (the word company being understoot if on its own railmost, water line, highway roust or any of said property over all or any portice us and conditions of the Uniform Domestic Straigh- stim or latif if this is a motor carrier shipment which governs the transportation of this shipment
Consigned	то	Sunbury Generation	are REM)	tireel address for purposes of holi	fication only.)		Subject to Section 7 of conditions, if this shipmer is to be delivered to the consigner without recours on the consigner, the consignor shall sign the
0	n Collect	on Delivery Shipments, the letters "COO" must appear before consign					The carrier shall not make delivery of this shipment without payment of freight and all other
Destination		old Trail Rd.	אלכד	17	376	City	lawful charges.
		County		_ State		Zip	
Route		(★ To be Œ	ed in only when shipper desires and g	governing tarlifs provide for deliver	y thereat.)		(Signature of consignor.)
		r					C. O. D. Charges to be
Collect on Delivery \$ And Remit to							Paid by ☐ Shipper ☐ Consignee
		Street		City		State	If charges are to be prepaid, write of stamp here, "To be Prepaid,"
No. Packages	н.м.	Kind of Package, Description of Articles, Special M	arks, and Exceptions	"Weight (Subject to Correction)	Class or Bala	Check Column	
	-		······	- IS CONTECUENTY	0.7.000	0000	·
1		load water		5000	gal		Received \$to appl
		#2					in prepayment of the charges on the propert described hereon.
AFE/		51244					Agent or Cashier
_Ar En	\vdash	31244		- 	†		Per (The signature here acknowledges only the amount prepaid.)
API#		37-115-20149					Charges Advanced:
Truc	k#	100 - RUNK				İ	\$
Plat	e#	YYe-8856					conform to the specifications set forth in the bo maker's certificate thereon, and all other requirement of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Mosor Freight
		ees two ports by a carrier by water, the law requires that the bill of lading : lepeadeal on value, shippers are required to state specifically in writing the	shall state whether it is currier's as shipper agreed or declared value of the property	er's weight.			Classification." (Shipper's imprint in lieu of stamp; not a part of bill of lading approved by the Internal
		value of the property is hereby specifically stated by the shipper		·	per		Commerce Commission.
		Ship	per, Per				Ager
Permanent po address of sh	ost-office ipper,	Chio Sponer (son	1600)		Per		
]			
			I	1			

DIM0227454

Shinneds	MASG-	573	}
Shinbers	バクングー	· / / ~	,

		C. Haer Trucking			Carrie	r's No.		
		to the classifications and tariffs in effect on the date of the leave of this Bill of lading,		•				
at Dimo the property de throughout this or routes, or of said route Billt of Lading Shipper hereby mid the said	ections as certifies certifies certifies certifies certifies certifies certifies certifies certifies certifies as	below, in apparent good order, except as noted (contents and condition of cuertents of packs as metaning any person or corporation in passessing of the property under the contexts he torritory of ult ingluxery operations, otherwise to deliver to another criterio on the excitation, and as to each party at any time interested in all or any of add property, that exh (1) he to the Uniform Propin Castification in effect on the data benefit. If this is a real of conditions are breely exceed to by the shipper and overpted for hirself and his assigns.	FROM S ges unknown), roadred, consigned, names to carry to lite usual pli to said destination. It is mutuall try service to be performed hence or real-water shipment, or (2) in ng those on the back thereof, se	R/IR?Cal and destined as shaer of delivery at y agreed, as to ex- noter shall be subje- the opplicable most forth in the class	point below, which is mad destination. If the carrier of all the terms to rearrier classification or parisif	aid company (the word company being under on us over mirrord, water line, legitery of and combines of the Uniform Denestic Si tion or tail! If this is a motor carrier Si which governs the transportation of this ship		
Consigned	TC	Sunbury KHNHNEHH Generation	or street address for purposes of not	fication only.)		Subject to Section 7 of conditions, if this shi is to be delivered to the consigner without re on the consignor, the consignor shall sign following statement:		
٥	On Collection Delivery Stipments, the interes TOOP must appear before consignee's name or as obtained in term 430, Soc. 1.							
		County PA	State 17	376	Zip			
Route		Delivery Address* [*To be filled in only when shipper destres:	and governing tarilla provide for deliva	ry thereat.)		(Signature of consignor.)		
Delivering	Carri	er Care rery \$ And Remit to	or Vehicle Initials and No	o		C. O. D. Charges to be Pald by Shipper Consignes		
	StreetCityState							
No. Packages	H.M.	Kind of Package, Description of Articles, Special Marks, and Exceptions	"Weight (Subject to Correction)	Ctass or Rate	Check Column			
_1		load water	5000	gal		Received \$ to		
		# 2			<u>. </u>	in prepayment of the charges on the p described hereon.		
AFE:	į	51244				Agent or Casher		
		<u> </u>				(The signature here acknowledges only the amount prepold.)		
API	<u>.</u>	37-115-20149				Charges Advanced:		
Tru	ckź	A roy Milié			1,	\$		
Pla	te#	44L-1776				conform to the specifications set forth is to maker's certificate thereon, and all other requi- of Rule 41 of the Uniform Freight Classi- and Rule 5 of the National Motor Classification."		
		ewon the plans by a carrier by water, the law requires that the bill of builing shall state whether it is center's a: a dependent as value, and present we required to size specifically in writing the agreed or declared value of the pro- lay value of the property is hereby specifically stated by the shippour to be not exceeding	hipper's weight. operty.	per		Classification; †Shipper's imprint in lieu of stamp; not of bill of lathing approved by the fr Commerce Commission.		
		Shipper, Per				A		
Permanent p	ost-affi			Per				
	<u> </u>	Belle	{					

rAIGدر	нтві	LL OF LADING—SHORT FORM	ORIGIN.	NOTNEGOTIABLE		Shipp	er's No. <u>SG-674</u>
Carrier's I		C. Haer Truckng				Carrie	ers No.
		the classifications and tariffs in effect on the date of the Issue of	_				
at Din	nock	Twp. (Date) 5-17	7-10	FROM SRW	R?Cabot	non below which	said commons the word commons bring understood
throughout this or routes, or of said route Bill of Lading Shipper hereby and the said	contract within the to destinate set forth certifies t terms and	ow, in apparest good order, except as noted (contents and conditions in meaning any person or corporation in possession of the gropers, and so to each gray at any firm intenset is all or any of the said by the said of the propers of the said of the propers of the said of the propers of the said of the sai	under the contri- carrier on the ro- said property, that of, if this is a ill of lading, inc. self and his assig	act) agrees to carry to its usual plute to said destination, it is mutual is every service to be performed here sail or real-water shipment, or (2) is inding those on the back thereof, so	ace of delivery at ly agreed, at 10 c mater shall be subject in the applicable mo it forth in the clar	said destination, I ach carrier of all act to all the term tor carrier classifica- sification or tariff	I on its own railload, water line, highway roule or any of said property over all or any portion a and conditions of the Uniform Domestic Straigh- ation or tariff if this is a motor carrier shipment which governs the transportation of this shipment
		Sunbury Generation Delivery Strömens, the letters "COO" must appear before consignee's name			ii5cation only.)		is to be delivered to the consigner without recourse on the consigner, the consigner shall sign the
	on Collect or	n Delivery Stripments, the letters "COO" must appear before consignee's name 1d Trail Rd. Stre	or as otherwise pr	ovided in item 430, Sec. 1. Shamoki	n Dam	0"	The carrier shall not make delivery of this shipment without payment of freight and all other lawfol charges.
Destinatio	n <u> </u>	Street Pi		C 17976		City	
Boute		County P/	Delivery	StateState			
110010		(★To be filled in only	when shipper desir	res and governing tariffs provide for delive	ery thereal.)		(Signature of consignor.)
Delivering	Carrie	·	C	ar or Vehicle Initials and N	0		C. O. D. Charges to be
Collect on Delivery \$ And Remit to							☐ Shipper ☐ Consignee
		Street		City		State	If charges are to be prepaid, write or stamp here, "To be Prepaid,"
No. Packages	н.м.	Kind of Packaga, Description of Atticles, Special Marks, and		"Weight (Subject to Correction)	Class or Rate	Check Column	
1		load water		5000	gal		Received \$to appli
		#2					in prepayment of the charges on the property described beream.
AFI	:#	51244					Agent or Cashier
	[" 				+		(The signature here acknowledges only the amount prepaid.)
AP	#	37-115-20149					Charges Advanced:
m-1	ick#	100- RONK.]	1		s
111	TOK!	100° KON N.			+		† The fibre containers used for this shipmen conform to the specifications set forth in the bo
	te#			1			maker's certificate thereon, and all other requirement of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freigh Classification."
		en two ports by a carrier by water, the law requires that the bill of lading shall state pendent on value, shippers are required to rule specifically in writing the agreed or blue of the property is hereby specifically stated by the shipper to be not		or shipper's weight. a property.	per		Classification." †Shipper's imprint to lieu of stamp; not a par of bill of lading approved by the interstat Commerce Commission.
		Shipper, P	er				Agen
Permanent p	ost-office						
address of si	ipper,				Per		

DIM0227454

Shipper's No. 33-675

Carrier's I	Name	US Envioramental			came	rs No.
	•	to the classifications and tariffs in effect on the date of the issue of this Bill of lading,				
at Di	mod	ck Two. (Date) 5-13-10	FROMSRV	R/Cabot		
the property of throughout this or contes, or of said rouse Bill of Lading Shipper berrby and the said	escribed contract within to to destin set for centifies terms an	belaw, is apparent good order, except as noted (contents and condition of contents of package is as accurang any pector or corporation in postession of the property under the content incident and as no each party at any time inserted in all or any of sall property, that even the (1) in the Uniform Fright Chasticianies in effect on the dash bereaty, if it is a rail of the incident and the content of the property with the content of the property with the content of the property of the proper	es maknowni, marked, consigned, agrees to carry to its usual po eath destination. It is mutterly service to be performed here or rail-water shipment, or [2] it those on the back thereof, a	and destined as she place of delivery at ily agreed, as to ex- rander shall be subje- tion the applicable mo- ted forth in the clas-	pira below, which said destination, is che earrier of all the terms for currier classification or tariff	axid company (the word company being suderstood of on its own milesal, water blac. highway move or any of said property over sail or any portion or any conditions of the Uniform Dorneste Stanight tion or earlif if this is a snotor earlier Shipment, which governs the transportation of this abigment.
		Med Sunbury Generation ton Delivery Shipments, the letters "COO" must appear before consigner's name or as otherwise provide	or street address for purposes of no	atification only.)		Subject to Section 7 of conditions, if this shipmen is to be delivered to the consigner without recourse on the consignor, the consignor shall right the following statement:
Destinatio	מ	Old TrailR d. Street	Shamokin		City	The carrier shall not make delivery of the shipment without payment of freight and all other lewful charges.
		County PA Delivery Address*	State	<u> 17876 </u>	Zip	
Route		Delivery Address A. Ad				
		\\ \\ \\ \.\ \.\ \.\ \.\ \.\				(Signature of consignor.)
Delivering	Carri	erCard	r Vehicle Initials and N	lo		C. O. D. Charges to be
Collect or	Delb	very \$And Remit to				Paid by ☐ Shipper ☐ Consignes
OO/ICCC OF		700 700				If charges are to be pressid, write or
		Street	CityState			If charges are to be prepaid, write or stamp here, To be Prepaid."
No. Packages	н.м.	Kind of Peckage, Description of Articles, Special Marks, and Exceptions	"Weight (Subject to Correction)	Class or Rate	Check Column	
_1		load water	6360	çal		Received \$ to appling prepayment of the charges on the propert
		₩2				in prepayment of the charges on the propert described hereon.
AFS#		51244				Agent or Cashler
AE .375		V.1, & ***				(The tegnature here acknowledges only the amount prepoid.)
APTU	$oxed{oxed}$	37-115-20149				Charges Advanced:
Truc		626				the fibre containers used for this shipmer
Plate	<u></u>	PLASSIA				senform to the specifications set forth in the bo- miker's certificate thereos, and all other requiremen- of Rule alt of the Uniform Freight Classification and Rule 5 of the National Motor Freight
"If the shinenent	moves be	sween two ports by a currer by water, the law requires that the bill of lading shall state whether is is carrier's or sh s dependent on value, shippers are required to state specifically at writing the agreed or declared value of the pro-	ipper's weight. erry.			Classification." †Shipper's imprant in lies of stamp; not a pa of bill of lading approved by the Intersta
The agreed or	declare	d value of the property is hereby specifically stated by the shipper to be not exceeding		ner	0	Commerce Consulation.
		Shipper, Per		Ha	now	. <i>E</i>
Permanent address of s	ocst-offi hipper,	•		Per	\triangleleft	
			<u>Л</u>			

Carrier's						Carrie	is No. 225 E stai # 10943,
	•	to the classifications and tariffs in effect on the date					•
<u>Di</u>	11OC	K Two. (Dat	e) <u>5-18-10</u>	FROM	SRWR/Ca	<u>bot</u>	
or routes, or of this or routes, or sold route of said route Bill of Lading Shipper hereby and the mid	contract contract within the to destion g set for contilles tenns and	Place . (Data below in apparent pood order, except as noted toester as recently any person or corporation in possession is terrative of its highway operations, otherwise to distort and as to exch party at any time factorated in (1) in the Uniform Frequent Castification & effect that it is faultier with all the terrat and condition the terration of the conditions are hereory appeared to by the dispress and	as and condition or contents of p of the property under the condi- liver to another carrier on the n all or any of said property, the on the date hereof, if this is a nor the said ball of lading, line accepted for himself and his assi-	herages trikknows), rearrand, consuprant nottl agrees to carry 10 its usual oute to saud destination, it is much at every service to be performed ber sail or rail-water thipment, or (2) cloding those on the back thereof, gas.	and sterimen as sa- place of delivery at ally agreed, as to e- render shall be subje- in the applicable mo- set forth in the clar	own below, which said destination, it carrier of all set to all the terms nor carrier classifies assification or said!	said company (use wors company bring molerator on its own ratirood, water like, highway rost or any of said property over all or any portlo and conditions of the Uniform Donace Study tion or tartiff if this is a motor carrier shipmen which governs the transportation of this shipmen
		Sunbury Genezet		(Mail or street address for purposes of n	olification enly.)		Subject to Section 7 of conditions, if this shipmes is to be delivered to the consigner without recours on the consignor, the consignor shall sign it following supercent:
		Old Trail Rd.			n DAm	Citv	The carrier shall not make delivery of the ahigment without payment of freight and all oth- lawful charget.
Destriction	/II	County	PA	State	17876		•
Route		County	Delivery Address	k			
		(ATo be Mied in only when ethoper des	ins and governing tariffs provide for del	very thereat.)		(Signature of consignor.)
Delivering	3 Carri	er	C	Car or Vehicle Initials and I	No		C. O. D. Charges to be Paid by
Collect or	a Deliv	ery \$	And Remit to	o			Shipper Consignee
		5 1		5 11		5	If charges are to be prepaid write of stamp here. "To be Prepaid."
No.	нм			*Weight (Subject	Class	State Check	and the second second
Packages	H.M.	Kind of Package, Description of Articles,	Special Marios, and Exceptions	to Corrèction)	or Rate	Column	
1		load water		6300	gal	ļ	
	$\dagger \lnot \dagger$			0590	441		Received 3 to app in prepayment of the charges on the proper described bereon.
		#2					
5. m== V		54544					Agent or Cushier
AFE#	-	51244				 	Per (The signature here arknowledges only
API#		37-115-20149	;	1			the amount prepaid.) Charges Advanced:
							,
Truck	<u>''</u>	(2) 00					† The fibre containers used for this shipme
91 = <u>EB</u>		AF 68829					conform to the specifications set fasth in the breaker's certificate thereon, and all other requiremes of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification.
		ween two ports by a carrier by water, the law requires that his bill dependent on value, shippers are required to state specifically in ivalue of the property is hereby specifically stated by the		's or shipper's weight. he property.	рсг		Chastication. TShipper's imprise in lies of Manuel not a prof bill of lading approved by the Internal Commerce Controlssion.
			_ Shipper, Per		Seme	Q0	Y. Flashey B. Ager
Permanent address of s	post-offic hipper,				Per		0
				Л			

Shippers No. SG-677	
BJ-4109420	
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Carrier's	Vame	US Environmetnal		•		Caffie	rs No.
		to the classifications and tadffs in effect on the date					
at D	ino	CKT VD. (Date	5-18-10	FROM_	SRWR/ca	bot	raid correspy (the word company beloe understoo
throughout this or routes, or of said route Bill of Ladine	contract within t to destir	CAT Wide (Date below, in apparent good order, except as moted (contents as meaning any periods of contents in possession to territory of its highway openitions, takerwise to delit ation, and as to each pury as any time increased in high in the Uniform Preight Classification in effect on the present of th	of the property under the econo- ver to another carrier on the ro- all or any of said property. that a the date hereof. If this is a	ect) agrees to earry to its to use to said destination. It is every service to be performed mil or mil-water shipment, or	ual place of scherry in the place of scherry in the suit of the su	at said destination, is each carrier of all bject to all the term notice courses classifica-	On his own railroad, water line, highway rout, or any of said property over all or any portion is and conditions of the Uniform Domestic Straight too or lanff if this is a motor carrer shipment.
Shipper bereby and the said	ecrtifies terras an	that he is founding with all the terms and conditions conditions are hereby agreed to by the shipper and a	of the said bill of locking, me eccepted for bimself and his orsig	isding those on the back there	eof, set forth in the e	hassification or tariff	which governs the transportation of this shipment.
Consigner	σТα	Sunbury Generatio	n	Mail or street address for purpose	s of notSication only.)		Subject to Section 7 of conditions, if this shipmen is to be delivered to the consigner without recourse on the consigner, the consigner shall sign the following strument:
		Old Trail Rd.			Dam		The corrier shall not make delivery of this stroment without payment of freight and all other
Destination	n	out ituat itus	Street	SHAROKEL	17076	-	lawful charges.
		County	Delivery_	State	17070	Zip	
Route		· (#1		es and governing tariffs provide to	r delivery thereat)		(Signature of consignor.)
Delivering		ər <u></u>					C. O. D. Charnes to be
-		ery \$					Pald by ☐ Shipper ☐ Consignee
Collect on	Deliv	ery \$	And Hemit to			_	
		Street		Cit	у	State	If charges are to be prepaid, write or stamp here. "To be Prepaid."
No. Packages	нли,	Kind of Package, Description of Articles, Sp	pecial Marks, and Exceptions	"Weight (Subji to Correction	oct Class or Rate	Check Column	
1		load water		6500 6300	gal		Received Sto appl
		i 2					in prepayment of the etarges on the propert described hereos.
3 7777 '		F4244					Agent or Cashier
AFE	-	51244				-	Per (The algosine here acknowledges only
API,		37-115-20149					the amount prepaid.) Charges Advanced:
Truc		626					\$
Plate	4.	P+8281H					conform to the specifications set forth in the bo- nester's certificate thereon, and all other requirement of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification.
*If the shipment	moves bet	ween two ports by a carrier by water, the law requires that the bill or dependent on value, shippers are required to acute specifically in w	finding shall state whether it is carrier's riting the agreed or declared value of the	or shipper's weight.		<u> </u>	Classification." 1Stipper's imprint in lieu of stampt not a ps of bill of lading approved by the interests Commerce Commission.
		value of the property is hereby specifically stated by the					Commerce Commission.
			Shipper, Per		15/	alores	. S. Ager
Permanent p	ost-offi hipper,				Per		
•			•	7			

Shipper's No. SG-673

		US Environemnial	of the boun of this Bill of ledles			Carrie	er's No. 109 423
				EDOM CD	- מים מוני	. 4-	
perty des poot this or soiler, of the of said route to Bill of Lading Shipper hereby and the said to	contract victim the certifies and certifies	Opale low, in apparent good order, except as moted feotient as metasing any perion or corporation is possession terminary of its highway operation, otherwise to del ion, and as to each party at any direct interested in 11) is the bindrom freight Classification is effect to the condition of the condition of the condition conditions use hereby agreed to by the shipper and	a) — (0 —) U s and condition of contents of pack of the property under the content there is another contier on the route all or any of said property, that c all the said both of lading, includ accepted for himself and his assigns.	oges unknown, marked, consigned, a grees to carry to its assual place to said destination. It is misself to the said destination, it is misself to the said destination, it is misself to the said destination, or claim it is misself to realiswater shipmens, or claim it in the said thereof, set	nd destined as sho the of delivery at a figured, as to end der shall be subject the applicable mot forth in the class	was below, which said destination, is che carrier of all the terraster carrier classification or tanif	aid company (the word company being understoot on us own reliconds water like. Alghwyr could be the company of the company of the postery over all or any of said property over all or any portion a und conditions of the Uniform Domerate Studies, or extent if this is a motor certifier shopment which governs the transportation of this shipment
		Sunbury Generati	(M)	Fil ou studel auduches for brithosas of bods	cation only.)		Subject to Section 7 of conditions, if this shipmen is to be delivered to the consigner without recours on the consigner shall sign the following structure:
		Old Trail Rd.			ne.m	Citv	The carrier shall not make delivery of this shipment without payment of freight and all other leaving charges.
Destination	1	County	PA Delivery	State 1	7876	City	
Route		(*)	To be filled in only when shipper dealers	s and governing lattils provide for deliver	y themsal)		(Signature of consignor.)
		r					C. O. D. Charges to be
•		ry \$					Paid by ☐ Shipper ☐ Consignee
		Street		Citv		State	If clurges are to be prepald, write a stamp here. "To be Prepaid."
No. Packages	н.м.	Kind of Package, Description of Articles,	Special Marks, and Exceptions	"Weight (Subject to Correction)	Class or Rate	Check Column	
1		load water		6 0 00	gel'		Received S
		#2					in prepayment of the charges on the propert described hereon.
AFE/		51244					Agent or Cashier
API		37-115-20149					Per (The signature here acknowledges only the amount prepaid.) Charges Advanced:
Truc	10.11	612					<u> </u>
Plat		AF55386	·				† The fibre containers used for this shipmer conform to the specifications set forth in the be maker's centificate thereon, and di other requirement of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification.
where t	mares betw the rate is d	recates ports by a carrier by water, the law requires that the bill rependent on value, thippers we required to state specifically in walue of the property is hereby specifically stated by the		r shapper's weight, property.	Der	-	Classification. Francisco Programmers for literature of stamps not a go of bill of loding approved by the Intersis Commerce Commerce Commission.
		arte () to properly the my specimenty sectors)				/	Ager
Permanant p					Per /	total t	-A
				$\overline{1}$			

		C. HAer Trucking	A A A A A A A A A A A A A A A A A A A			Carrie	ers No.
	•	to the classifications and tariffs in effect on the da	-		m / m - 1	,	
the property of throughout this or routes, or of said route Bill of Lading Shipper hereby and the said	acribed contract within the destination of the certifies learns and learns an	CKI Wp a below, la apparent good order, except as noted (con as meaning any person or corporation in possessi bet territory of its highway operations, otherwise to solon, and as to each party at any dirac listerent bill in the Uniform Friedric Chariffeenion is effect that he is familiar with all the terms and compare that he is familiar with all the terms and compared conditions are breely appeal to by the abipper as	ate) 5-10-10 tents and condition of contents of paci- deliver to another currier on the room deliver to another currier on the room to the property winder the contract deliver to another currier on the room to the chart. A this is a room to druce herea, it has in a loss of the said bill of helping, incire del accepted for himself and his saids	PHOM SAI tages unknown, murked, consigned, i) agrees to exery to its usual pi to to said desumation. It is murual every service to be performed bere- all or rail-water shipment, or (2) is ding those on the back thereof, as	and dethied as sho are of delivery at y agreed, as to en under shall be subject the applicable most at forth in the class	on below, which said destination. I che surviver of all the terra or carrier classification or tariff	said company the ward company being suderation of on its own raispood, water line, highway could be a constitute of the constitute of the constitute of the constitute of the constitute of the constitute of the constitute of the constitute of the constitute of the constitute of the superation of this shipment which governs one transportation of this shipment
Consigner	σТь	Sunbury General	tion	tall or street address for purposes of no	ffication only.)		Subject to Section 7 of conditions, if this shipmen is to be delivered to the consigner without recovers on the consignor, the consignor shall righ the
	In Collect	on Delivery Shipmants, the letters "COO" must appear bet	fore consignae's name or as otherwise prov				following statement: The carrier shall not make delivery of the shipment without payment of freight and all othe
		Old Trail Rd.				City	tawfel charges.
		County	PA	State	17876	Zip	
Route			Address*.				(Signature of consignor.)
Delivering	Carri	er	Ca	r or Vehicle Initials and N	o		C. O. D. Charges to be
Collect on	Deliv	ery \$	And Remit to,				☐ Shipper ☐ Consignee
		•				State	If charges are to be prepaid, write or stamp here, "To be Prepaid."
No. Packages	H.M.	Kind of Package, Description of Article		"Walcht (Subject to Correction)	Class or Rate	Check Column	
1		load water			gal		Received \$to apply
		#2					in perpayment of the charges on the property described hereon.
AFE#		51244					Agent or Cashler
		2,244			+		Per (The signature here acknowledges only the amount proposed.)
API,	:	37-115-2014	9				Charges Advanced.
]
Truc	Kä	105			_		† The fibre containers used for this shipmen conform to the specifications set forth in the bo
PLat	:e#	AF12215			.		maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight
*If the shipment NOTE —Where	moves ber the rate is	ween two poets by a carrier by water, the law requires that the li- dependent on value, shappers are required to state specifically I value of the property is hereby specifically stated by	in writing the agreed or declared value of the	ershipper's weight. property			Classification" 15hipper's imprint in lieu of stame; not a per of bill of lading approved by the interstat Commerce Commission.
1 Ve milester oc	O C C C C C C C C C C C C C C C C C C C				per		
			Shipper, Per		+		Agen
Permanent p address of s	oost-offic hipper,	· Chris Spideur (sun	GED CT-10-49	7)	Per D		\rightleftharpoons
				1			

Shipper's No	.SG-680
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Carrier's I						Carrie	r's No.
	•	o the classifications and tariffs in effect on the da					
Di	20CK	TWP.	ate) 5-18-10	FROM_SR	IR/Cabo	ot	aid among the most course help indepen
roperty a groun that ground the said the said	contract contract within the to destinat set forth continue terms and	E (VD e (Die etc)). In apparent good order, except as moted from as meaning any perion or corporation to poster territory of its bighway specialism, otherwise to etch, and as to each party at any time followers to etch, and as to each party at any time followers to the the in territory of the end of the continuous results of the end of the	and contention of contents of packages as of the property under the contents a deliver to another corter on the route to the sail or any of said property. Note every to on the date heerof, if this is a rall of the content of the said bill of tacking, including a secrepted for himself and his sayings.	grees to carry to its usual pla- script of carry to its usual pla- script decidention. It is mutually service to be performed hereby or rail-water shipment, or (2) in those on the back thereof, set	to of delivery at agreed as to en agreed as to en the applicable mo forth in the claim	said destination. If ach corrier of all as to all the terms tor carrier classifica- sification or tariff	on its own railroad, where Lind, highway rov, or any of said property over all or any ports, and continue of the Uniform Downsette Savigition or the Uniform Downsette Savigition or tariff if this is a motor carrier shipmen which governs the transportation of the shipmen
Consigno	ıΤΩ	Sunbury Gemerat	ion	r street Address for gurposts of notif	ication only.)		Subject to Section 7 of conditions, if this shipme is to be delivered to the consigner without recour on the consumer, the consumer shall also it following statement:
- (On Collect o	on Delivery Shipments, the letters "COD" must appear bet	lore consignée's name or as otherwise provided		_		the carrier shall not make delivery of in shipment without payment of freight and all other
Destination	ก	Old Trail Rd.	Street	Shamokii	n Dam	City	lowful charges.
		County	Delivery .	State	1376	Zip	
Route			Address*	d councilng today conside for dall us	to Phoresof 1		(Signature of consignor.)
		Pr					C. O. D. Charges to be
~							Paid by
Collect or	Delive	ery \$	And Remit to				☐ Shipper ☐ Consignes
		Street		City		State	If charges are to be prepaid, write or stamp here. To be Prepaid."
No. Peckages	н.м.	Kind of Package, Description of Article		*Weight (Subject to Correction)	Clars or Rate	Check Column	
1		load water		5000	cal	•	
				3000	137		Received S to apply in prepayment of the charges on the property described hericon.
	\vdash	<u> </u>			 		Agent or Castiles
fle#		51244			<u> </u>		Per
	\ . \				}	, '	(The signature here acknowledges only the amount prepaid.)
12I#	1	<u> 37-115-20149</u>			 		Charges Advanced:
!ruck		100 - RUN K	_			}	7 The fibre containers used for this shipment
']ata		Y4e-8856					conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Fright Classification and Rule 5 of the National Motor Freight Classification."
Aen		ween two ports by a carrier by water, the law requires that the dependent on value, shippers are required to state specifically value of the property is bereby specifically stated by		pper's weight. erry.			Classification." †Shipper's impent in lieu of stemp; not a part of bill of lading approved by the Interstate Commerce Commission.
1,eea o	deciared	varies at the property is nereby specimently function	me maybes to be not exceeding		per		
			Shipper, Per				Agent
oddress of a	post-offic hipper,	· Chin Spidly (sor	UGEN CT-10-1	198)	Per		
			C	$\overline{\gamma}$			
				U			44.25

Shipper's No	<u>SG-631</u>
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RECEIVED, subject	C. HAST Trucking to the classifications and tanffs in effect on the date of the DCk Twp. (Date)		FROM_S	WR/Cabo		er's No.
ne property described aroughout this contract or within it said route to destinute the first of Lading set for hipper hereby certifies not the said terms and	below, in apparent good order, except as noted (contents and as meaning any person or corporation in posteroism of the turnbury of its highway operature, otherwise to deliver to allow, not as to each party at any time interacted in all of the lin in the Dulloum Freight Charifoculae in effect on the fall in the contraction of the contr	condition of contents of pack he property under the constant to another carrier on the touse r any of said property, that e date hereof, if this is a rai the said bill of lading, includ- ed for himself and his assigns.	ages unknown), marked, consigned ingrees to early to fits usual to said destination. It is must very service to be perfooned he if or rall-water shipment, or (2) ing those on the back thereof.	and destined us an place of delivery or ally agreed, as to a conder shall be subj in the applicable mo set forth in the cis	nown below, which is said destination, is said destination, is such carrier of all ect to all the term over courier classifies unification or uniff	said conspany ithe word company being underst If on its own railressal, writer line, highway in or any of said property over all or only por- ts and conditions of the Uniform Dorneste Sira stition or tealf if this is a motor carrer shipm which governs the transportation of this shipm
	Sunbury Generation on Delivery Shipments, the letters "COD" must appear before consi			offication only.)		Subject to Section 7 of conditions, if this thips is to be delivered to the consigner without reco on the consignor, the consignor shall sign following statement:
	old Trail Rd.			in Dam	City	The carrier shall not make delivery of shipment without payment of freight and all clawful charges.
	County	P 3 Delivery	State	17876	Zip	
toute	(*Tobe	filled in only when shipper dealess	and governing tariffs provids for deli	very Enerest.)		(Signature of consignor.)
	er					C. O. D. Charges to be Paid by Shipper Consignee
allect on Deliv	sery \$Street	And Hemit to _	City		State	If charges are to be prepaid, wrote
No. Packages HM,	Kind of Package, Description of Articles, Special	Marks, and Exceptions	"Weight (Subject to Correction)	Clase or Rase	Check Column	
1	load water		5000	gal		Received \$
	₅ ;2					in prepayment of the charges on the pro- described hereon.
AFE#	51244					Agent or Cashler
NPI#	37-115-20149					(The signature here acknowledges only the amount prepaid.) Charges Advanced:
Truck#	# 104 MIKE	***				\$
Plate#	44R-1776					conform to the specifications set forth in the maker's certificate thereon, and all other requires of Rule 41 of the Uniform Freight Classific and Rule 5 of the National Motor Fe Classification.
	reverging parts by a carrier by water. the law requires that the bell of ladit deplacest on value, shippers are required to make specifically in writing I value of the property is hereby specifically stored by the shipp		shipper's weight. roperty.	per		(Shipper's imprint in lieu of stamp; not a of bill of locing approved by the Inte Commerce Commission.
······································	sh	lpper, Per	· · · · · · · · · · · · · · · · · · ·			Ag
ermanent post-offic address of shipper,	· Chio Spidle (500	GEN CT-	10-499)	Per		
			幻			

ALL	20 202	
Shinner's No	SG-5S2	

		C. Haer Trucking to the classifications and tariffs in effect on the date	of the facus of this SIII of the	***		Carrie	r's No.
				EDOM CO	m /a=1	. 1	
perty de oet this site. or ald coule Bill of Lading Stripper bereby	escribed contract within to to destir act for certifies	CK TWO. (Date below, in apparent good order, except at moted contents as meaning any person or composition in possession we terratory of its highway operations, otherwise to deli- sellent and as to each party at any time interested in h (1) in the Uniform Freight Charlifection in effect h (2) in the Uniform Freight Charlifection in effect at conditions are hereby agreed to by the shipper and a	s) D-10-10 and condition of contents of pocks of the property under the contracti ver to snother cornier on the make all or any of stid property, that r is the date hereof. If this is a mi of the said bill of koding, seeded of the said bill of koding, seeded	THOM SXV ager anknown, marked, consigned, a agreet to carry to its usual plac to said destination, it is unusually every service to be performed hereur or mail-water shipmont, or (2) is ing those on the back thereof, set	nd destined as shore of delivery at agreed, as to exider shall be subjective moforth in the class	bwn below, which said designation, it such certifier of all the terms for carrier classification or tariff	asid company the word company being understood from its own milroad, water line, highway route or any of and property over all or any portions and conditions of the Uniform Domestic Straight down or tariff if this is a motor currer adjunction of which governs the transportation of this signment
Consigned	σТο	MimmeXIXWWYSunbury	Generation	ill or street address for purposes of notif	ication only.)		is to be delivered to the consigner without recours, on the consignor, the consigner shall sign the following statement:
Destination		on Delivery Shipments, the letters COD must appear before DLG Trail RG.	consignee's name or as otherwise provi	G1 1-1.	n Dam	Citv	The carrier shall not make delivery of the shipment without payment of freight and all other lawful churces.
	** —	County			1787		
Route			Address*_	and management width consider for sloth on	w the mat 1		(Signature of consignor.)
		er					C. O. D. Charges to be
-		rery \$					Paid by □ Shipper □ Consignee
		Sireet		City		State	If charges are to be peopaid, units of stamp here. "To be Prepaid."
No. Packages	H.M.	Kind of Package, Description of Articles, S	pecial Marks, and Exceptions	"Weight (Subject to Correction)	Class or Rate	Chack Column	
1		load water		5000	gal		Parallel C
		\$2					Received S m app in prepayment of the charges on the proper described hereon.
AFE#		51244					Agene or Cashier
API#		37-115-2014	9				(The signature here acknowledges only the amount propidity Charges Advanced:
Truck	122	\$104 MIKE					\$
Plate	1	UUR-1776					conform to the specifications set forth in the h maker's centificate thereon, and all other requirement and Rule 41 of the Uniform Freight Classificati and Rule 5 of the National Mator Freight
e shipment —Where	moves be the rate i	tweeth rub ports by a carrier by water, the law requires that the bill to a dependent on value, shippers are required to state specifically in w d value of the property is hereby specifically stoted by the	viting the agreed or declared value of the p	shipper's weight.	per		Classification." 15hipper's imprint in then of stamps not a p of bill of lading approved by the laterals Commerce Commission.
			Shipper, Per				Age
Permanent p address of si		ce			Per		
		B. All		f			

Shipper's No. SG-683

Carrier's I	Vame:	US Environmetna	1			Carde	er's No. 130303
		o the classifications and tariffs in effect on the dat	e of the lasue of this Bill of lading,				
at Dim	ock	(Da	_{le)} 5-19-10	FROM_SRE	odso\5	<u>t</u>	
the property different this or routes, or of said route Bill of Lading Shipper hereby and the said	escribed to contract within the to destine set fort certifies terms and	CDA Colors in apparent good order, except as noted (conte at metaling any person or compensation in postession is territory of its improvery operations, to herwise to deten and est to each party at my time interested is then and est to each party at my time interested is the little in the territory of the interest and conditions are interest, and the conditions are hereby agreed to by the altoper and	the and condition of contents of pockas, of the property under the contract) either to onother carrier on the roate in all or any of said property, that even the challe hereof. If this is a rall in of the said bill of tading including accepted for himself and his assigns.	ges unknown), marked consigned, as agrees to carry to his usual place to said destination. It is mutually ery service to be performed become or rail-water shapment, or (2) is g those on the back thereof, ser	nd destined as shows of delivery at agreed, as to case the applicable moto forth in the class.	on below, which said destination, is he carrier of all the term is to all the term in engage or instiff	said coopany the word conteasy being understood for his own matrood, water line, highway roo at any of said property over all or any ports, and conditions of the Uniform Domestic Straight and conditions of the Uniform Domestic Straight titles or early if this is a motor carrier thingmen which governs the transportation of this stripmen
		_	· (Mai	or street address for purposes of notifi	ication only.)		Subject to Section 7 of conditions, if this thipme is to be delivered to the consigner without recour. on the consigner, the consigner shall sign the following samenest:
		on Dailvery Shipmania, the letters COO must appear before Cld Trails C.			in Dag	Cit.	The carrier shall not make delivery of the shipment without payment of freight and all oth lawful charges.
Destinatio	·n	Old Ildili de	Sueet	17876		-	· ·
David-		County	Delivery	State		Zip	
House		(*To be filled in only when shipper dasires a	and governing raditis provide for deliver	y thereat.)		(Signature of consignor.)
Delivering	Carrie	er	Car	or Vehicle Initials and No	·		C. O. D. Charges to be
Collect on	Deliv	ery \$	And Remit to				Paid by □ Shipper □ Consignee
		Street		City		State	If charges are to be prepald, write of scamp hore. "To be Prepald."
No. Packages	н.м.	Kind of Package, Description of Articles,	Special Marks, and Exceptions	"Weight (Subject to Correction)	Class or Rate	Check Column	
1		load water		6 0 00	gal		Received \$to 2m
		#2					Received \$
A 0004		51244					Agent or Casheer
<u> Barr</u>	1	21244	<u></u>		-		The signature here architowledges only the product prepoid.)
apt∉		37-115-20149)				Charges Advanced:
Truc	ا يا	620/668					s
		PT 9.19.2H					1º The fibre containers used for this shipme conform to the specifications sea famh in the b maker's certificate thereon, and all other requirement of Rule 41 of the Uniform Freight Classifical and Rule 5 of the National Motor Freight Chassification."
*If the shipment NOTE —Where	moves bet the rate is	ween two ports by a carrier by water, the law requires that the bit dependent on value, shippers are required to state specifically is	l of lading shall state whether it is carrier's or a writing the agreed or declared value of the pro-	hipper's weight.	_!	<u>. </u>	This felicition." Chassification." Thipper's Impries in Ilea of stamps but a p of bull of buding approved by the Interest
The agreed or	declared	value of the property is hereby specifically stated by it	n shipper to be not exceeding		per		Commerce Commission.
			_ Shipper, Per		,	1	Age
Permanent paddress of s	post-offic hipper.	ze .			Per /2	by W	1004
				<u>الم</u>	//	7	0
]	V		

Shipper's No. SG-684 U.S. E. Boi # 109432

Carrier's	Name	US Environmenta	I				Carrie	rs No.
RECEIVED,	aubject :	to the classifications and tariffs in effect on the	late of the leave of this Bill of la				- '2	
" Di	uoc	k Twp. (c	ate) 5-19-10		FROM SR	WR/Cabo	ot	
nerty di at this at conte Bill of Lading Shipper hereby and the said	lescribed controct nutrin to to destin g net for certifies terms an	TWD. (UD below. In apparent good order, except as noted (construction) of the territory of the highest population or corporation in passes be territory of the highest population, should be of the construction and so to each party as any time theretaked in its in the Uniform Frether Chasification is afficially the families with all the terms and construction of the conditions are known, agreed to by the shipper is	steam and condition of contents the has of the property under the deliver to another carrier on the deliver to any of said property of an the dule bereof. If this it times of the said ball of lading and accepted for kinself and his	of pseloges units contract) agrees he route to said that every servise a sail or sul- is a sail or sul- ischudung those assigns.	own), marked, consigned, a to corry to its small plo destination. It is mutually ce to be performed between water sidgment, or (2) in on the back thereof, set	and destined us show the of delivery at a spreed, as to ex- ider shall be subjec- the applicable more forth in the class	wa below. Which is said destination, if his carrier of all is to all the terms or carrier classification or tariff.	aid company (the word company being understood on its own multicod. water line, highway rout or any of stud property over all or any portation and conditions of the Uniform Demestic Study loop or tariff if this is a motor carrier stropment which governs the transportation of this shipment which governs the transportation of this shipment
Consigne	σТО	Sunbury Generat	ion	(Max of Street	address for purposes of nati	fication only.)		Subject to Section 7 of conditions, if this shipmer is to be delivered to the consigner without recours to the consigner, the consigner shall sign the following statement:
		on Delivery Shipments, the letters "COD" must appear to La TrailR d.		•			City	The currier shall not make delivery of the shipment without payment of freight and all othe lawful charges.
CountyPA State 178							Zlp	
Route			Addres	SS*	ming tariffe organics for delive	n; theren! I		(Signature of consigner.)
Dollworke		er					1	C. O. D. Charges to be
_	•	very \$						Paid by Shipper Consignee
		Street			City		State	If charges are to be prepaid, write a stamp here. "To be Prepaid."
No. Packages	нм	Kind of Package, Description of Artic	es, Special Marks, and Exceptions		*Weight (Subject to Correction)	Class or Rate	Check Column	
1		load water			6 & 00	gal		Received 5 to app'
		#2						in prepayment of the Charges on the propers described hereon.
	-	· · · · · · · · · · · · · · · · · · ·						Agent or Coshier
AFE	-	51244	 ·					Per
<u>API</u>	<u> </u>	37-115-2014	9		<u></u> -			Charges Advanced:
Truc	- K.#	1218						* The fibre comminers used for this shipmer
Plat		AF 68829			-		<u>-</u>	conform to the specifications at forth in the be enther's certificate thereon, and all other requirement of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight
-When	t moves be e the rate i	tween two ports by a carrier by water, the law requires that the a dependent on value, shappers are required to state specificall	y in writing the agreed or declared valu	arrier's or shipper's ve of the property.	wcight.			and Rule 5 of the National Motor Freig. Classification. TShipper's impediat in theu of storage act a pa af hill of lading approved by the intersta Commerce Commission.
reed o	e declare	d value of the property is hereby specifically stated b	the shipper to be not exceeding			per	00	CROV.
			Shipper, Per			Sum	weart /	Ager
Permanent address of s		СВ				Per		<u> </u>
				4		-		
								•
_								

Shipper's No. SG-665

		US Environmethal		Carrier's No. 104 4 24					
RECEIVED,	subject t	o the classifications and tariffs in effect on the date	of the issue of this Bill of lading,						
at Di.	moc	k Twp. (Date	<u>5-19-10</u>	FROM SR	73/cabo	t			
the property of throughout this or touses, or of said route Bill of Lading Shipper hereby and the said	escribed i contract within the to destine set fort certifies terms and	Conditions are hereby agreed to by the shipper and	s and condition of contests of pare of the property under the contri- tives to another carrier on the row all or any of said property, that a the date berroft, if this is a r of the said bill of lading, freil accepted for himself and his assign	chapes unknowns, marked, consigned, ct) agrees to carry to its usual gives to said destination, it is manual overy service to be performed here mill or rail-water shipment or (2) it adding those on the back thereof, so	and denined as al ace of delivery at ly agreed, as to e ander shall be subj to the applicable and a forth in the cla	own below, which said destination, it can be carrier of all cret to all the terms over castification or tariff	axid company (the word company being understoot on its own rathroad, water line, highway sout- or any of said supportsy over all or any portion and conditions of the Uniform Domestic Straightion or tartiff if this is a motor carrier shipment which governs the transportation of this shipment		
Consista	رT	Sunbury Generation on Delivery Shipments, the letters COO must appear before	n a	were an account depoless to the bases of the	iffication only.)		Is to be delirered to the consigner without recours on the consignor, the consignor shall sign the		
	n	Old Trail Rd.	Street	Shamokin I	O.A.m	City	The varier shall not make delivery of this shipment without poyment of freight and all othe lewful charges.		
		County	Delivery	State	17875	Z!p			
Route		(*	——————————————————————————————————————	es and governing taitifs provide for dalive	ry thereat.)		(Signature of consigner.)		
Delivering		er							
Collect on	Deliv	ery \$	And Remit to				☐ Shipper ☐ Consignee		
		Street		City		State	If charges are to be prepaid, write o stamp here. To be Prepaid."		
No. Packages	нм,	Kind of Package, Description of Articles, 8		"Weight (Subject to Correction)	Class or Rate	Check Column			
1		load water		6 9 00	gal		Received \$ to appl		
		#2					Received 5 to applin prepayment of the charges on the propert described hereon.		
AFÆ	4	51244					Agent or Cashler		
							Per		
APU	j	37-115-20149					Charges Ashunced:		
Tru	ck;	622					The fibre containers used for this shipmen conform to the specifications set forth in the bo		
pla	te:	AF55782	•				maker's certificate thereon, and all other requirement of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freigi		
		ween two ports by a earrier by water, the law requires that the bill dependent on value, shippers are required to state specifically is a value of the property is hereby specifically stated by the			per		Ciscaliculton. TSDipper's imprist in fleu of stamp; not a pa of bill of lading approved by the internal Commerce Communication.		
			Shipper Per			1,,	/ .}Ager		
Permanent p				·	Per /	Mar	and y		
	,,,,,,,	,		7	· · · · · · · · · · · · · · · · · · ·				

9) IIO.~	- .		المارين المارين	ORIG	INAL - NOT	NEGOTIABLE .		Shipp	er's No. <u>SC-586</u>
,	•								130 5004
Carrier's N		HS Enviro	nmetnal					Carrie	r's No. 730 30 7
		the classifications and tariff							
pt <u>D1.31</u>	ock	Typ.	(Date)	<u>5-19-10</u>	<u> </u>	_FROM_S	Ril/Cabo	t	
nerty de st this t. of s	escribed be contract within the	love, is apparent good order, as messing ony person of a territory of its highway one	except as noted (contents a orporation in possession of rations, otherwise to deliver	and condition of contents the property under the to mother corner on t	of packages un construct) agrees the mate to ea	aknows, marked, consigned, s to carry to ke usual p aid destination, it is mutan	and destined as short slace of delivery at the sevent on to ear	wn bekew, which said destination, if the confer of all	said company (the word company being understool f on its own railroad, water line, highway rout or any of said unporty over all or any pould.
Bits of Lading Shipper hereby and the said to	to destrate set forth certifies certifies	on, and at to each purty at (1) in the Uniform Freight hat he is familier with all conditions are hereby agreed	any time interested in all Classification in effect on the terms and conditions of to by the shipper and acc	or any of sald property the date hereof. If this of the said bill of ladin epted for himself and his	that every se is a mil or ri g. including the assigns.	rvice to be performed here al-water shipment, or (2) use on the back thereof,	under shall be subject to the applicable moto set forth in the class	t to all the terms or earner classifica diffication or tand	paid company (the word company being understood on an even rate out, water like, highway root or any of exist property over all or any portal and considers of the Uniform consist Straight on or tastfit 10 Ms. is embod earlier straight which governs the tumppostation of this shipmen
Consigned	OT	Sunbury	Generation	n	(Mail or str	eet Bddreas tor purposes of N	odification only.)		Subject to Section 7 of conditions, if this shipmer is to be delivered to the consigner without recours on the consignor, the consignor shall sign the following statement.
		Oelivery Shipments, the letters				tem 430,5ec.1. hamokin D			The carrier shall not make delivery of the shipment without payment of finight and all oths
Destination		ld Trail Ro						City	lawful charges.
		Co.	inty	PA Dollar	150	_State1	7976	Zip	
Route				Delive Addre	ss*	verning tariffs provide for deir			(Signature of consegnor.)
Delivering	Carrie	-	···		_ Car or V	enicle initials and h	40		C. O. D. Charges to be
Collect on	Delive	ry \$		And Rem	nit to				☐ Shipper ☐ Consignee
	. Street City State								If charges are to be prepaid, write t stamp here, "To be Perpaid."
No. Packages	H.M.L	Kind of Patkag	e, Description of Articles, Spe	cial Marks, and Exceptions		"Weight (Subject to Correction)	Class or Sate	Check Column	
	+	· · · · · · · · · · · · · · · · · · ·							
1		loac	water			6 9 00	gal		
	T	2044	Wallet			- · · · · · · · · · · · · · · · · · · ·	1		Received \$to app is prepayment of the charges on the proper described bereon.
			#2			1	1 1		GENTION DEPOSIT.
									Agent or Cashier
$_{ m AFH}_{2}^{2}$		5124	<u>4</u>						Per
	li								(The zignature here acknowledges only the zmount propold)
API		3,7-1	15-2014 <u>9</u>						Charges Advanced:
		620/469							l s
Truc	<u>'c</u> ;'	600 1000	·						? "The filtre containers used for this shipme conform to the specifications set forth in the bt
Plat	a 3	PT 8187	H						maker's certificate thereon, and all other requirement of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight
are the shipment	moves between the total is d	een two parts by a career by water, ependent on value, shippers are requ	the low requires that the bill of i	oding shall state whether it is o ing the agreed or declared val	ennier's or shipper oe of the property.	's weight		·	Classification." †Shipper's imprint in lieu of starsp: not u p: of till of lading approved by the intersto
		alue of the property is hereby					Per		Commerce Commission.
				Shipper, Per				1	Ager
				anpper, rei				1.60 -1	ANAIII
Permanent p address of st	ost-office hipper,						Per /	- Try	1001
					77			0	
					٦١				

Carrier's	Vame	C. Haer Truck	inc			Ca	rier's No.
					dn	1 4-	
at Diff the property of throughout this or routes, or of said route Bill of Lading Shipper bereby and the said	recribed contract within to lo destif set for certifier terms an	K LVD. below. In opporent good order, except as not in measuring any pennan or corporation in a measuring any pennan or corporation in the corporation of the corpor	(Date) 5-19-10 d feoritests and condition of contents of pod- possession of the property under the contract to the deliver to another earlier on the most in officer on the cities thereof, if this is a re- conditions of the sald bill of Inding, includ- poper and accopated for Minnell I and Min antique	inges beknown, marked, it agrees to carry to it to to to to to to to to to to to to to	SRWR Consigned and destines a usual place of deli motivally agreed, ir motivally agreed the same of the applications of (2) in the applications of	f as shown below, whivery or sald destination as to each earlier of the subject to all the able motor carrier class the classification or to	ich said company (the word company being understoo in it on its own maliroad, waser late. Nighway roou all or any of add property over all or say poetdo terms and conditions of the Uniform Domestic Straight from its or moral restrict States of the uniform the stipment of the uniform that it is not the stipment if which governs the transportation of this thipment
		Sunoury Ganes on Delivery Shipments, the letters "COD" must app	(Mt	all or streat address for purp	oses of notification only	L)	Subject to Section 7 of conditions, if that shipmen is to be delivered to the contigues without recourse on the constiguer, the consignor shall sign the following statement:
Destinatio	n	Old XKKHTrail Ro	Stroat	200 at 1880 430, 340, 1.	Shamokir	n Dam c	The cartier shall not make delivery of the shipment without payment of fielght and all other lawful charges.
Bootman		County	PA	State	17876		"]
Route		County	Delivery Address*				(Signature of consignor.)
		er					
•		er					Paid by Shipper Consignee
		Street			City	Sta	If charges are to be prepaid, write or stamp bern. To be Propoid.
No. Packages	н.м.		Articles, Special Marks, and Exceptions	"Weight (5 to Corre	Subject Cla	es Check	
1		load water		500 833		21	Received \$ to applying propriets on the property described hereon
		; ; ;	<u>?</u>	_			Agent or Cashler
AFE#		51244					Per
API#		37-115-20	I & 9	}			(The signature here acknowledges only the amount prepaid) Charges Advanced:
Truc		# 101					
Plat:		45K-1776					† "The fibre containers used for this suppress conform to the specifications are forth in the bor under's certificate thereon, and all other requirement of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freigh
If the shipment of the Where	moves be the rate is	twen two bons by a currer by water, the law requires is dependent on value, shippers are required to state spec typing of the property is heroby specifically sta		r shipper's weight. property.			Classification: †Shipper's imports in lieu of sumpt not a part bill of lading approved by the interstate Commerce Commission.
			Shipper, Per		1	····	Agen
ermanent p	ost-offi	· Chio Sajahu	SUN GEN CT-	10-505	Per	,	, ,
<u> </u>	<u></u>			4			

Shippers i	ol/	どぼー	5 ೮	h.s	

Carrier's	Name:	C. Haer Trucking			Carrie	r's No.
		to the classifications and tariffs in effect on the date of the issue of this Bill of lading,				
at <u>Di</u>	imoc	CK TWD. (Date) 5-19-10	FROM_SR	MR/cabo	ot	
repeny d of this is or rouse Lading Shipper hereby and the said	Sescribed I s contract within the to destine g set forth g certifies terms and	CK TWO	ages unknows). marked, consigned,) spress to comy to its usual is to said desthootum. It is mental very service to be performed here if or mil-weter stopment, or (2) it ing those on the back thereof, s	and desilord as shince of delivery at by agreed, as to ex- under shall be subje- a the applicable ato et forth in the class	own below, which said destination, if said continue of all so the terms also corrier classification or tail!	said company (the word company being understood for any on sailtond, water line, highway route or any of said property over all or any pentions and conditions of the Uniform Domestic Straight tion or trail if this is a motor examer shapment which governs the transportation of this skipment.
·anaiana	٦ΤΛ	Sunbury Generation on Delivery Stypmanu, the laters "COD" must appear before consigned's name or as otherwise provi	Bil or street address for purposes of no	afication only.)		Subject to Section 7 of conditions, if this shipment is to be delivered to the consigner without recourse on the consignor, the consignor shall sign the following streetment:
						The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.
		Old Trail Rd. Street PA		7876	City	15Aift cualer
		Delivery	Olato		Zip	
toute		Address* (*Tote !!!ed in only when shapper desires	and governing tarills provide for delive	ery therest.)		(Signature of consignor.)
Delivering	Carrie	erGar	or Vehicle Initials and N	0		C. O. D. Charges to be
-	-					Peld by
Sollect or	1 Deliv	ery \$ And Remit to _				☐ Shipper ☐ Consignee
		Street	Citv		State	If charges are to be prepaid. write or stomp here, "To be Prepaid."
No. Packages	нм	Kind of Package, Description of Anticles, Special Marks, and Excaptions	"Weight (Subject to Correction)	Class or Rate	Check Column	
1		load water	5000	gal		
		L #2				Received 3 to apply in prepayment of the charges on the property described hereon.
AFE#		5124ë				Agent or Cashler
	1					(The signature here ocknowledges only the amount prepaid.)
API#	1	37-115-20149				Charges Advanced:
Truc	ایران	#104 Mile				\$
Plat	"					† The fibre commisers used for this shipment cardorm to the specifications set forth in the box maker's certificate thereon, and all other regaritements of Rake 41 of the Uniform Freight Classification and Rake 5 of the Narional Motor Freight Classification.
If the shipment	t moves bet the rate is	ween two boost by a carrier by water, the law reculese that the bill of Isding shall state whether it is carrier's or dependent on value. Dispers an required to take specifically in writing the spreed or declased value of the p value of the property is hereby specifically stated by the adapter to be not exceeding.	r shipper's weight. peoperty.	ber		Classification." 15hipper's treprint in lieu of stamps not a par nf bill of lading approved by the haterstate Commerce Commission.
	-			1		
		Shipper, Per		 		Agen
Permanent address of s	post-offic shipper,	*Hwathings 5-19-10		Per		
		CT-10-482	$\langle 1 \rangle$			
		100	11			

				•		Shipp	ers No
		C. Haer Trucking	the less is of this Bill of lading			Carrie	r's No.
				====	_		
at Dir the property de throughout this er routes, er of said route Bill of Lading Shipper hereby and the said	escribed be contract within the to destine set ford certifies terms and	cine, in apparent good order, except as moted tentense as meaning any persons or composition in posteriors of tentiory of the lightway operations, otherwise to deim tion, and as its cold party at any time interested in a set (it is the bufferor Faraghi Chasaffeation in effect of the conditions are barely agreed to by the shipper and or couldings are barely agreed to by the shipper and or	5-19-10 and coordinator of contents of pack f the property under the contract to mother currier on the roote the date bereof. If this is a ra- of the said bill of locking, inches reped for himself and his assigns	pges unknowe), marked, consigned, largues to beary to its usual per to said destination. It is mutual very service to be performed here to be a said of the said of the said those on the back thereof, a	and denined as about the state of delivery at the state of delivery at the subject of the applicable mot et forth in the class	wn below, which said destination, it che carrier of all its terms or carrier classification or tariff	and company the word company being understood on its own milrood, water has, highway route on any of tall property over all or any perior, a and conditions of the Uniform Domestic Straight down or tentil if this is a motor currier submease, which governs the transportation of this simpness.
			(M)	all or street address for purposes of no	dification only.)		Subject to Section 7 of conditions, if this shipment is to be delivered to the consignor without recourse on the consignor, the consignor shall sign the
Consigned	on Codlect	Sundury Generation on Delivery Shipments, the letters 'COO' must appear before c	onsignes's name or as otherwise prov	ided in item 430, Sec. 1.			following statement: The confer shall not make delivery of this
Destinatio	nC	old Trail Rd.	Street	RHAKKKZ	okin na	City	shipment without payment of freight and all other lawful charges.
		County	PA Delivery	State 17	1876	Zip	
Route		(*Te	Address Address Address A	and governing tariffs provide for deliv	ery thereat)		(Signature of consignor.)
		r					C. O. D. Charges to be
-		ery \$					Paid by ☐ Shipper ☐ Consignee
		If charges are to be perpaid write or stamp here. To be Prepaid."					
No. Packages	нм.	Kind of Package, Description of Articles, Sp	ecial Marks, and Exceptions	"Weight (Subject to Consection)	Class or Rate	Check Column	
1		load water		5000	gal		Received \$to apply in prepayment of the charges on the property
		2 2					in prepayment of the charges on the property described hereon.
AFE		51244					Agent or Cashier
							(The signature here acknowledges only the amount propoid.)
<u>.221</u> ;	‡	37-115-20149				·	Charges Advanced:
Trus	ck#	105			-		† "The fibre containers used for this shipmer
Plat	te#	AF 72215					conform to the specifications set forth it the bo maker's certificate thereon, and all other requirement of Rule 41 of the Uniform Freight Chaufficatio and Rule 5 of the National Motor Freight Clausification.
*If the shipment NOTE —Where	moves bett the rate is	weep two ports by a carrier by water, the law expeters that the bill of dependent On value, shippers are required to state specifically in wire value of the property is hereby specifically stated by the s	ting the agreed of declared value of the p	shipper's weight. property.			Classification." 15thipper's imprint in lieu of stamp: not a pour of bill of lading approved by the interstal Commerce Commission.
-24 86144 0 04	-cun cu				Per		
Permanent p	oost-offic	· Min Sollin Co	Shipper, Per V GEN CT-10	(100)		~	Agen
address of sl	hipper.	CIVIL JANGUL (30)	V 667 6170	7	Per J		

Carrier's				•		Carrie	rs No.
RECEIVED,	subject to	the classifications and tariffs in effect on the date	of the lasue of this Bill of lading,				
et D	imo	I'm Class successful the first term in the met. On the Online [Date of the class term of the class term of the Class te	5-19-10	FROM S	RWR/Cab	ot	
the -roperty of	escribed b	flow, in apparent good order, except at noted (content	is and condition of contents of packages	unionown), marked, consigned, a	nd destined as show	n below, which	and company (the word company being understood on its own railroad, water line, highway rou
or .oute	within the	territory of its highway operations, otherwise to de- lon, and as to each party at any time interested in	iver to prother carrier on the soute to all or any of said property, that every	said destination. It is mutually service to be performed become	agroed, as to each	le of all the terms	or any of said property over all or any portle and conditions of the Uniform Domestic Straigh
Say bereby	est forth	(1) in the Uniform Freight Classification in effect of that he is furnified with all the terms and conducted and conducted to the the chiral and conducted to the chiral and	on the date hereof, if this is a rail or s of the said hill of lading, including accounted for huntelf and his parisms	those on the back thereof, set	forth in the classi	ucation or radii.	tion or tant? it this is a motor carner shipmer which governs the transportation of this shipmer
trid the state	BETTILES WHEE			street address for purposes of notif	ication only.)		Subject to Section 7 of conditions. If this shipene
Consigne	dTO.	Sunoury Generat	ion	<u> </u>			is to be delivered to the consigner without recour on the consigner, the consigner shall sign if
	On Collect o	on Califrary Shipments, the latters "COD" must appear before	consignee's name or as otherwise provided	In item 430, Sec. 1.			following statement: The carrier shall not make delivery of the shipment without payment of freight and all other shipments without payment of freight and all other shipments without payment of freight and all other shipments.
Destination	on	Old Trail Rd.	Street	Snamoki	n Daa	City	lawful charges.
		County	₽3.	State 17	876	Zip	
Doute							
rioule		(i)	To be filled in only when shipper decires and	governing tartits provide for deliver	y thereat)		(Bignature of consignor.)
							C. O. D. Charges to be
Politonii	4	r	· Oai oi	ميز			Paid by
Collect or	n Delive	ery \$	And Remit to				Shipper C Consignee
			•	ن			If charges are to be prepaid, write stump here, "To be Prepaid."
		Street		City	,	State	stamp here. "To be Prepaid."
No. Packages	H.M.	Kind of Package, Description of Articles,	Special Marks, and Exceptions	"Weight (Subject to Correction)	Class or Rate	Check Column	,
				i i			7
.1	ادی ا	🗼 : lapó water .		<u>- 🚉 5000</u>	gal		minutes of the second s
	1			5			in prepayment of the charges on the proper described hereon.
	1 1	#2			l i		GESTINGS NATION.
	1 7	· · · · · · · · · · · · · · · · · · ·			 		Agent or Coshier
AFES	<u>.</u>	51244	•	')		<u> </u>
	+ +	37545		<u> </u>	 		(The signature here acknowledges only
APIA	.} I	37-115-20149		. بروي	1		the amount prepaid.) Charges Advanced:
32.2	" 	37-113-201-9			 		
PR 14 14 1	ا ير ا	105			1		<u> </u>
Truc	1					·	† The fibre containers used for this shiper conform to the specifications set forth in the
	1.1	OPTOTO A A I P		1	1 1		maker's certificate thereon, and all other requirement
21 <u>a</u>		HH 12415					and Rule 5 of the Notional Motor Prei
NOTE -When	e the late is	reen, two porus by a carrier by water, the law requires that the bill be pendent on value, shippers are required to state specifically in	mixtud the actions of declated name of the biobo	ny.			†Shipper's imprist in lieu of stamp; not of of bill of lading approved by the inters
read o	e declared	within of the property is hereby specifically stated by th	shipper to be not exceeding		per		Commerce Commission.
				•	Į.		
			Shipper, Per	•		<u>-</u> -	Age
Permanent	nast-affly	114.3.14	A			_	
address of	shipper,				Per this		
				<u>െ</u>			-

DIM0227454 DIM0228629

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DUILODAL 9	יטאו כ		 	

		: US Environemntal			Carrie	ers No. (30693
		to the classifications and tariffs in effect on the date of the Issue of this Bill of lading,				
at Dia	loc	CWp. (Date) 5/20/10	FROM\$!	RWR/Cab	ot	
the property of throughout this or routes, or of said route Bill of Lading Supper hereby and the said	escribed contract within to to destir set for certifies	below, in apparent good onler, except as noted lectments and condition of contents of pockages to as meaning any prense or corporation in possessions of the property under the contact age the terminary of its highway operations, otherwise to deliver to another carrier on the rouse to instant, and as to each party at any time interested to all or any of tails property, that every that (1) in the Uniform Prefer Classification to reflect on the date thereof, if this is a rull or all the continues are been party and the terms and conditions of the and bit of plains. Including the conditions are been prefer to the other party and conditions are been prefer to the prefer and conditions contact the state being a plain to the continue of the and bit of plains. Including the conditions are been prefer to by the hipper and accepted for himself and has anything	unknown), marked, egnsigned, set to earry to its usual phisaid destination is is mutually service to be performed beru- ran-water shipment, or (2) in loose on the back thereof, se	and destined as sho ace of dehvery at y agreed, as to ea and the applicable mo to forth in the class to forth in the class	own below, which said destination, is to all the terms for carrier of all the terms for carrier classification or taxiff	said company (the word company being moderators or any of said property are all or any portific on any conditions of the Uniform Domestic Straig into or carry if it this is a root or carry at the which governs the transportation of this sispence.
Consigned	σTe	Sunbury Generation (MANON)	treet address for purposes of nol	ification only.)		Subject to Section 7 of conditions, if this shipmen is to be delivered to the consigner without reconstant the consigner shall sign the following transment:
		t on Delivery Shipments, the latters "COO" must appear before consigned's name or as otherwise provided in Old Trail Rd. Street Stati	mokin Dam		Citv	The carrier shall not make delivery of this shipment without payment of freight and all othe lawful charges.
		Carration PA	1787	6	Zip	-
Route		Delivery Address Address (#To be filled in only when shipper dealers and g				
						(Signature of consignor.)
Delivering	Cami	erCar or \	ehicle Initials and No	D		C. O. D. Charges to be Paid by
Collect on	Deliv	rery \$And Remit to				☐ Shipper ☐ Consignee
		Street	CityState			If charges are to be prepaid, write o stamp here. To be Prepaid,
No. Packages	ни.	Kind of Package, Dascription of Articles, Spacial Marks, and Exceptions	"Weight (Subject to Correction)	Class or Rate	Check Column	
1		load water	6300	gal		Received S
		5. ∯2				described hereon.
AFI	g.	51244				Agrat or Conhier
	ľ				,	The signature here acknowledges only the amount prepaid.)
API	#	37-115-20149				Charges Advanced:
Tri	ck	£ 621				
	te					2 'The fibre containers used for this shipmen conform to the specifications set forth is the neador's certificate thereos, and all other requirement of Rule 41 of the Uniform Freight Chassificatio und Rule 5 of the National Motor Preigh
		tween two port) by a carrier by water, the law/equires that the bill of leding shall sate whether it carrier or shippe dependen on value, slippers are regained to state specifically in writing the agreed or declared value of the property I value of the property is hereby specifically stated by the shipper to be not exceeding	s's weight. '.	per		Classification." 1Shipper's imprint in lieu of startus not u pa of bill of lading approved by the intensial Commerce Commission.
		A restand a series of the such has to as us getsomik		1		
		Shipper, Per		ļ <u></u>		Ager
Permanent p		ce		Per		

										Snipp	9FS NO
arder's N			nvirona							Carrie	ors No. 130590
			and tariffs in effect								
Dim	ock	TWP.		(Date)	5/20/1	0	FROM_	SRV	WR/Cat	ot	
property der shout this stes, or s I muste to A Lading ser hereby the said to	scribed bei contract; within the o destinati set forth certifies t erms and	ow, in apparent go as meaning any po- territory of its hi- orn, and as to each (1) in the Uniforn hat he is familiar conditions are here	d order, except or son or corporation hway operations, other party at any time. Freight Classification with all the terms agreed to by the	moted (contents and in possession of the envise to deliver to interested in all on in in effect on the and conditions of shipper and accepte	condition of contents property under to another corrier on any of said proper due hereof, if this the said bill of last for himself and	nes of packages unloomed to contract) agrees the route to said entry, that every service is a rail or rail-diag, including those his assigns	owns. marked, coming to carry to its mou destination. It is more to be performed water shipment, or a me be back there.	ned, and al place untally a hereunder 2) in the f, set fo	destined as she of delivery at greed, as to en that he subject the country of the characters in the classical and the characters in the classical and the characters in the classical and the characters in the ch	aven below, which said destination, is self carrier of all the term to all the term took carrier classifies to feeling or larger.	and company (the word company being understood of on its own mulcrack, water line, highway took or any of said property over all or any portion and conditions of the Uniform Domestic Straight foun or taxif if this its amount carrier superart which governs the transportsailor of this shipment which governs the transportsailor of this shipment
onsianed	TO.	Sunk	ury Ger	neratio	n	(Mail or street	address for purposes	of notificat	tion cnly.)		Subject to Section 7 of condutors, if this phyprical is to be delivered to the consigner without recours on the consignor, the consigner shall sign the following statement:
Or	n Collect o	Delivery Shipments	the letters "COD" must	tappear bafore const	gnee's name or as oth	arwise provided in item					The corrier shall not male delivery of this shipment without payment of freight and all other
estination	<u>. ي</u>	ld Trai	<u>l Rã.</u>		Street	Shamoki	n Dam			City	shipment without payment or meigra and all ome lawful charges.
			County	PA			State1	787	б	Zip	
oute						very_ ress*					
Juilo				(*To be	filled in only when ship	pper desires and gover	ming tariffe provide for	delivery t	hereat.)		(Signature of consignor.)
elivering	Carrie	·				Car or Veh	nicle initials an	d No	·		C. O. D. Charges to be
ollect on	Delive	ry \$			And Re	emit to					Shipper Consignee
			Stree	t			Clty			State	If charges are to be prepaid, write a stamp here, "To be Prepaid."
No. Packagas	н м.	Kin	of Package, Description	on of Articles, Special	Marks, and Exception	145	"Weight (Subjection)	4	Class or Rate	Check Column	

		County	PA	State178	76	Zip	
Route			Delivery Address X (*To be filled in only when shipper desires a	nd anyeming affile and a factoring	ne thereout b		(Signature of consignor.)
			Carc				C. O. D. Charges to be
Collect on Delivery \$			Paid by Shipper Cansignee				
		Street		City		State	If charges are to be prepaid, write stamp here, "To be Prepaid."
No. Packages	ни	Kind of Package, Description of	Articles, Special Marks, and Exceptions	"Weight (Subject to Correction)	Class or Rate	Check Column	
1		load wat	er	6300	gal		Received \$ to app
			#2				In prepayment of the charges on the proper described hereon.
AFE ;		51244					Agent or Cathler
API j		37-115-2	0149				(The signature here acknowledges only the serioun prepaid.) Charges Advanced:
Truck	ä	621					5
PLate		XBC7420					maker's certificate thereon, and all other requirement of Rule 41 of the Uniform Preight Classificat and Rule 5 of the National Motor Frei
		ports by a carrier by water. the law requires that on value, shippers are required to state spec If the property is hereby specifically stat	est the bill of leding shall state whether it is carrier's or si fically in writing the agreed or declared value of the pro- sed by the shipper to be not exceeding	ripper's weight. perty.	per		Cinesification." 15hippor's imprior in Iles of stamp; not a per bill of lading approved by the intensification.
			Shipper, Per				Age
Permanent p address of st					Per		

Destination <u>Old Trail Rd.</u>

Shippers No. 36-693

Carrier's I	Name:	US Environmental					Сапів	r's No.	130505
RECEIVED,	subject to	the classifications and tariffs in effect on the date of	the issue of this Bill	of lading,	``````````````````				
" Dia	moc}	Twp. (Date)	5/20/	10	FROM SE	RWR/Cabo	ot		
the property di throughout this or routes, or of said routs Bill of Lading Shipper hereby and the said	escribed be contract within the to destina set forth certifies terms and	Carbon in the content and carbon in the carb	and condition of come the property under to another carrier of or any of mid prop the date hereof. If the fight said bill of I epted for blesself and	rais of pockages unit the contract) agrees on the muste to sal- perty, that every see his is a rail or ra- ading, including their his assigns.	mown), marked, consigned, to carry to its usual p d destination. It is rutural vice to be performed here il-water shipment, or (2) is se on the back thereof.	and destined as sho face of delevery at by ogreed, as to ea such shall be subject as the applicable mot es forth in the clas	wa below, which said destination, is che carrier of all it the terms of content classification or cariff	soid company f on its own or any of a and condition stion or surfit which povers	the word company being understa- rallroad, water time, highway ro- id property over all or any poeu- ns of the Uniform Domestic Straig if this is a motor carrier shipme, the transportation of this shipme
Солзіапес	OT _b	Sunbury Generation				Kilication only)		is to be dell on the cor following at	ivered to the consigner without recou algnot, the consignor shall algn dement
Destinatio	n	n Delivery Shipments, the letters "COD" must appear before co DIG Frail Rd.	Street	Chance	kin Dam		Clty	The carri	r shall not make delivery of a hour payment of freight and all of
		County	Del Del	ivery_	State 178	376	Zip		
Houte		(*To	be illied in only when sh	ipper desires and gov	erning tariffs provide for deliv	ery thereal.)			(Signature of consignor.)
_		f						i 1	D. Charges to be Paid by I Shipper
Collect on	Delive	ry \$	And Ro	emit to		-	· · · · · · · · · · · · · · · · · · ·	l	
	1	Street			City		State	If charg stamp here.	es are to be prepaid, write To be Prepaid.
No. Packages	н.м.	Kind of Package, Description of Articles, Spe	cial Mairks, and Exceptio	ons .	"Weight (Subject to Correction)	Glass or Rate	Check Column	<u> </u>	
1		load water			6 ð 00	gal		Received 5	to 4
		₩2						to prepaym described b	ent of the charges on the propertion.
AF.	1 11	51244							Agent on Outhier
								(The signal the amount	re here acknowledges only prepaid.)
75	- ii -	37-115-20149						Charges Adv	
Tr	nc!s	620/48						conform to	re containers used for this strips the specifications set forth in the
	ate:	XT8787H						of Rule 4	fficate thereon, and all other requirem of the Uniform Freight Classifier 5 of the National Motor Fre
		sen two ports by a corrier by water, the law regainst that the bill of I ependent on value, shippers are required to state specifically in writ value of the property is hereby specifically stated by the sh			wright.	per		of bill o	imprint in hen of stamp; not a Lading approved by the Inter- Commission.
		· · · · · · · · · · · · · · · · · · ·	Shipper, Per				1	- /1	Age
Permanent p	post-offic hipper,	}				Per /	Wy NO	MY	
		•	i	1			y	ľ	

Shippers No. SG-09位 以SE Boi世 10억433

Carriars ?	Name:	US Environmental			₹.5 ¥ Carrie	e foith 104422
		the classifications and fariffs in effect on the date of the issue of this Bill of lading,			Carrie	1 3 110.
D:	imoc	ck Twp. (Deta) 5/20/10	FROM S	RWR/Cal	oot	
th nexty de	excribed be	elow, in apparent good order, except as acted trontents and condition of contents of packages as meaning any person of composition to possession of the preparity under the composition to possession of the preparity under the composition of the preparity under the preparity under the composition of the preparity under the preparity under the preparity under the preparity under the preparity under the preparity under the preparity under the preparity under the preparity under the preparity under the preparity under the preparity under the preparity under the preparity under the preparity under the	unknown), marked, consigned,	and destined he she	wa below, which :	said company the word company being understood
b. Lading Shipper hereby and the said	within the to destinat set forth certifies terms and	elow, in opposite jood order, except as noted frontents and condition of consents of packages as metaling any person or corporation to possession of the property under the control of the highway operations, otherwise to deliver to another current on the route to don, and as to each party at any time inseressed in all or any of sall property, that every 1(1) as the Unifare Precipit Classification of effect on the case thereof, it has a rail or that he is familiar with all the terms and conditions of the rails till of bullag, including the conditions are hereby appeared to by the shipper and agreeped for binness than this analysis.	and destination. It is mutually service to be performed hereu- rall-water shipment, or (2) in hose on the back thereof, se	y agreed, as to co inder shall be subje the applicable most t forth in the class	ch carrier of all ct to all the terms or carrier classifical silication or taxiff	or any of said property over all or my portion and conditions of the Uniform Domesule Straightion or tariff if this is a motor carrier shapment which governs the transportation of this shapment.
		(Mail or a Sunbury Ceneration on Delivery Shipments, the latters "COD" must appose before consigned's name or as otherwise provided is	treet address for purposes of not	Mication only.)		Subject to Section 7 of conditions, if this shipmen is to be delivered to the consigner without recours on the consignor, the consignor shall sign the
		old Frail RG. Street Shandk			City	The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.
Destinatio		22		0.00	Zip	
		County Delivery Address *	State		ZIP	
Houte		[*To be filled in only when shipper desires and	poverning teriffs provide for delive	ery thereat.)		(Signature of consignor.)
Delivering	Carrie	orCaror	Vehicle Initials and N	0		C. O. D. Charges to be
-		ery \$ And Remit to				Paid by □ Shipper □ Consignes
Collect of	I Delive	Street	City_		State	If charges are to be prepaid, write or stamp here. To be Prepaid.
No.	HM.		Weight (Subject	Class	Check	
Packages	H.M.	Kind of Package, Description of Articles, Special Marks, and Exceptions	to Correction)	or Rate	Column	
1		load water	6300	gal	:	Recoived S
		#2				Received S 10 appr in prepayment of the charges on the proper described hereon.
AF.	£ #	51244				Agent or Cathler
			-			(The signature here acknowledges only the amount prepaid)
ÀP	‡ <i>ii</i>	37-115-20149				Charges Advanced:
ill see	uck,	: 1.18				<u> </u>
						to The fibre containers used for this thipme conform to the specifications set forth in the best maker's certificate thereon, and all other requirement of Pains 44 of the Uniform Parish Chestificates
21						maker's centificate thereon, and all other requirement of Rule 41 of the Uniform Preight Classification and Rule 5 of the National Motor Freight Classification."
		ween two ports by a carrier by water, the law requires that the bull of Loding shall state whether it is carrier's or ships dependent on value, shippers are required to state specifically is writing the agreed or declared value of the proper value of the proparty is bezelvy apocifically stated by the shipper to be not assesseding	Q.	per		†Shipper's imprint in lies of stamp: not a prof bill of lading approved by the Intental Commerce Commission.
		. Shipper, Per		Sum	new !	of the Startly (Age
Permanent address of s		ie		Per		<i></i>
		\preceq			•	
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Shipper's No. SG-595

Carrier's N		C fiear Trucking the classifications and tariffs in effect on the date of				Carrie	ers No.
RECEIVED,	subject 1	o the crassilications and tariffs in effect on the date of t	ine issue of this Bill of lading,		entin (a- t-	- h	
the property de throughout this or routes, or of said route Bill of Lading Single Perby and the said t	seribed contract within it destinates for certifies and and and and and and and and and and	Date) Schow is apparent good order, except as soled (contents as meaning, any person or comportation in postersion of territory of its lightway operations, otherwise to distinct allow, and as to each party at any time interested in all to its lightway of its lightway on the interest of the lightway of the interest of the lightway o	and condition of contents of packs the property under the contract) to another carrier on the route or any of said property, that en the date hereof. If this is a rasif the said bill of lading, including the former of the first packed to the first packed to the contract for himself and his autent.	FROM	pred. and destined as shiple of delivery as mutually agreed, as to experience shall be subjected in the applicable moof, set forth in the cla	OC you below, which said destaurton, is ach carrier of all ict to all the term tor carrier classification or tariff.	said company (the word company being understoo, for its own malroad, water line, highway rous or only of add property over all or any portion is and condition of the Uniform Domestic drough so and condition of the Uniform Domestic drough lion or Buff if its a new condition of the supportation of this shipmont
Consigned	1TO	Sunbury &% Ger	eration (ME	n or street address for purposes	of notification only.)		Subject to Section 1 of condutions. If this shipmen is to be delivered to the consignor without recourson the consignor shall sign the following streement:
Destination	л <u> </u>	on Delivery Shipments, the letters "COD" must appear before cor ld Trail Rd.	Street Sha	mokin Dam	2076	City	The corrier shall not make delivery of this shipment without payment of freight and all othe lawful charges.
Route		County(+Tot		Oldie	7876	Zip	
			e filled in only when shipper desires				(Bignature of consigner.)
-		erer_					C. O. D. Charges to be Paid by Shipper Consignee
		If charges are to be prepaid, write a stamp here. "To be Prepaid."					
No. Packages	H.M.	Kind of Package, Description of Articles, Spec	dal Marks, and Exceptions	"Weight (Subje to Correction)	ct Class or Rate	Check Column	
		load water		5000	gal		Received S to opplin prepayment of the charges on the propert described hereon.
AF	E ,	51244					Agent or Cashier
75	Ī į	37-115-20149					Per iThe signature here acknowledges only the amount prepaid.) Charges Advanced.
Tr	ıck	* 105					S
	ate	<u>" [][(*)</u>					maker's certificate thereon, and all other requirement of Rule 41 of the Uniform Freight Classification and Rule 5 of the Notional Motor Freight Classification."
NOTE —Where	the take is	ween two posts by a carrier by water, the law requires that the bill of in dependent on value, shippers are required to same specifically in write value of the property is bereby specifically stated by the shi	ud the attend our gentation, takes of the bi	shipper's weight. operty:	per		TSitipeer's imprim in lieu of stamp; not a pa of bill of tading approved by the interstal Commerce Commission.
		s	hipper, Per				Ager
Permanent p	ost-offic ipper,	9			PerD		
		DO DO	3	$\langle 1 \rangle$	-		

						· -	URIGINAL - NOT	NEGOHABLE		Shipp	er's No.
Carrier's N					Truck.					Carrie	er's No.
RECEIVED, s	ubject 1	to the classi	fications and tarl	is in effect o	on the date of the	s issue of this	Bill of lading,				
at	Din	ock	Twp.		(Date)	5	/20/10	_FROM	SRWR/Ca	.bot_	
this or this or route the Edward Shipper hereby and the said w	sembed contract within the lo destin set for certifies certifies	below, is appose as meaning so territory of sites and as the [1] in the that he is a conditions	coreed good order. any person or if its highway op- to each party a- e Uniform Freight familiar with all are hereby agreed	except at or corporation in realions, other t any time is Classification the terms as to by the si	oted (contents and possession of the possession of the meressed in all o in effect on the od conditions of hipper and accepts	endition of the property on another carri r any of said t date hereof, the said bill td for himself	contents of packages we der the contracti agree for on the roots to sa property, that every se if this is a rall or red lading, including the and his easiens.	thnowns, marked, consigned, s to carry to its usual id destination, it is manu- critice to be performed her bit-water shipment, or (2) see on the back thereof.	and destined as shiplace of delivery at place of delivery at ity agreed, as to ex- tunder shall be subje- in the applicable mo- set forth in the cla-	own below, which said destination, i such carrier of all set to all the term tor carrier classifies selfication or tariff	said company (the word company being understood of an its own railmost, water line. Bighway rou or any of said property over all or any portle and conditions of the Unaform Domestic Struig and conditions of the Unaform Domestic Struig loca or careful fulfix its recoise certer shipmen which governs the transportation of this shipmen.
Consigned	TO	S	Unbury	Gens	eratio	<u>α</u>	photo str	set address to his poses of is	otification only.)		Subject to Section 7 of conditions, if this shipme is to be delivered to the consigner without recour on the confignor, the consigner shall sign of following statement:
o	in Collect	on Delivery S	hipments, the letters	COD, umzi s	ibbeat patora cous	âuea,e uewe et	as otherwise provided in i				The carner shall not make delivery of the
Destination	n	TC T	rall R	<u>a.</u>		Street	Shamok	in Dam		City	lawick charges.
			Co	unty		PA		State	17876	Zlp	1
Route							Address*				
					(★To be	filled in only who	on shipper desires and go	State	very therest.)		(Signature of consigner.)
Delivering	Carri	er					Car or V	ehicle initials and i	10		C. O. D. Charges to be
Collect on	Deliv	ery \$				And	Remit to				Paid by ☐ Shipper ☐ Consignee
				Street				City:		State	If charges are to be prepaid, write stamp here, "To be Prepaid."
No. Packages	H.M.		Kind of Packs	ge, Description	nof Articles, Special	Marks, and Exc	eptions	"Weight (Subject to Correction)	Class or Rais	Check Column	
1	€i¢	2010	ad wat	er				5000	gal		Received \$
	ا ا			#2							Received \$ to app in prepayment of the charges on the proper described hereon.
AFE			51244								Agent or Cashler
								 	 	<u> </u>	The signature here acknowledges only the amount prepaid:
<u> </u>	1 #		<u>37-115</u>	<u>-201</u>	<u>49</u>						Charges Advanced:
Tru	ck	##)	04 Mil	الط							8
Pla	te	# Y	412-17	76							t "The fibre containers used for this stripme centern to the specifications set forth in the h maker's certificate thereon, and all other requireme of Rule 41 of the Uniform Freight Classificati and Rule 5 of the National Motor Preight Classification."
-Where	the rate is	dependent on	i dy a curter by water value, shippers are re property is hereby	layined to store al	pecifically in writing	the agreed or dec	ther it is carrier's or shipper funed value of the property. ceeding	's weight.	ptr		tShipper's imprint is lieu of starme, not a p of hill of lading approved by the interse Commerce Commission.
					Sh	ipper, Per					Age
Permanent p address of sh	ost-offi ripper,	· M	in Spic	her.			CT-10-51	4)	Per		•

Shipper's No	SG-597	

Carrier's I		C Hear Trucking to the classifications and fariffs in effect on the date of the issue of this Bill of leding.	Carrier's No.					
			EDOM	SRWR/8	NBBE!	Cabot		
the property de throughout this or routes, or of said mute Bill of Lading Shipper hereby and the said i	escribed to contract within the to destine act for ecrifies terms and	ck Twp. (Date) 5/20/10 below, is apparent good order, except as soled loostents and condition of contents of packages as meaning any person or corporation in postession of the property solder the content log the servicey of its highway operations, otherwise to delive to another corrier on the roots to called a log of the property solder the content log of the property solder the content log of the property of the provide to the service of the roots to called the content of the roots to confidence with the content of the confidence of the called the confidence of	unknown), marked, coresigned, ess to carry to its usual placed destination. It is mentall service to be performed hereu rail-water shipment, or (2) in hoose on the back thereof, se	and deathed as sho ace of delivery at y agreed, as to ea mater shall be subject the applicable must at forth in the class	was before, which said destination. It carrier of all the terms or earlier classification or tariff	sald company (the word company being understor on its own nallroad, water like. highway fou or any of sald property over all or any protik is and conditions of the Uniform Domesia Straig iten or traff if this is a motor centre shipmer which governs the transportation of this shipmer		
Consigned	OTE	Sunbury Generation Maior	reet socress for purposes of not	Reation only.)		Subject to Section 7 of conditions, if this shipme is to be delivered to the consigner without recour on the consignor, the consignor shall sign t following statement:		
0	in Collect	on Delivery Shipments, the letters "COD" must appear before consigned's name or as otherwise provided in 1.0 Trail Rd. Street Sham	okin Dam		City	The cortier shall not make delivery of the shipment without payment of freight and all oth lawful charges.		
		County	State 173		Zip			
Route		Delivery Address * (*To be fixed in only when shape or desires and g	numerolog toriffe new ide for delan	ov thorast t		(Signature of consignor.)		
		erCaror\				C. O. D. Charges to be		
		ery \$And Remit to				Pald by ☐ Shipper ☐ Consignee		
		if charges are to be prepaid, write storage here, "To be Prepaid."						
No. Packages	нм	Street Kind of Package, Description of Articles, Special Marks, and Exceptions	City	Ciges or Rate	Check Column			
1		load water	5000	gal		Received \$ to and		
****		#2		-		in prepayment of the charges on the prope described hereon.		
AFE :	·	51244				Agent or Cashier		
API :		37-115-20149				Per (The signature here acknowledges only the mount prepaid)		
-A 1	\vdash	37-113-20149				Charges Advanced:		
Truc!	ii	105		-		f "The fibre custainers used for this shipm conform to the specifications set forth in the t		
Plate	# #	AFTADIS				maker's certificate thereon, and all other requireme of Rule 41 of the Uniform Preight Chasificati and Rule 5 of the National Motor Preight		
		ween two ports by a carrier by water, the law requires that the bill of loding shall state whether it is carner a crubbpe dependent on value, shappers are required to state specifically in writing the agreed or declared value of the property	a"4 weight. /.			Classification," †Shipper's imprint in lieu of stamp; not a p of bill of lading approved by the Interst Commerce Commission.		
		value of the property is berefly specifically stated by the shipper to be not exceeding		per				
		Shipper, PerShipper, Per				Age		
Permanent p address of st	ost-offic hipper,	" amo Spidne (500 600 CT-10-5	73)	Per 🕡				
		1		-				

_And Remit to _

		Street	Citv		State	If charges are so be prepaid worse stamp here. To be Prepaid.	
No. Peckages	H.M.		"Weight (Subject to Correction)	Class or Raise	Check Column		
1		load water	5000	gal		Received S 100 app in propayment of the charges on the prope	
]	#2				described hereon.	
AZĒ	34	51244				Agent or Cashier	
API	iĖ	37-115-20149				(The signature here acknowledges only the amount prepart.) Charges Advanced:	
Truc	: k	#104 Miné				5	
2Lat	e ;	44B-1776				conform to the specifications set forth is the transfer's certificate thereon, and all other requirem of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Feet Classification.	
-Where	the rate i	govers fordports by a curry by woter, be hav requirer that the bill of hading shall state whether it is earler's or ship is dependent or value, objects are required to true specifically in whiting the oppred or declared value of the prope of value of the property is hereby specifically stated by the shipper to be not exceeding	per's weight. rty.	per		Classification. TShipper's imprint in lieu of stamp; not a p of hill of lading approved by the Interst Commerce Commerces.	

Per

Shipper, Per_

CABOT-EPA 007404

Collect on Delivery \$ _

Shipper's No. <u>8G-699</u>

Camers Name				Çame	rs No.
	to the classifications and tariffs in effect on the date of the issue of this Bill of lading,				 -
Dimod	ck Two. (Date) 5/21/10	FROM SEC	IR/Cabo	t	
the property described throughout this contract or routes, or within the of said route to destine the first bill of Lading set for Shipper hereby certifies	below. In apparent good order, except as mored transients and condition of contents of package, to at meaning any person or corporation in possession of the property under the conduct in the territory of its inpluyer operations, observate to deliver to another carrier on the roots in taxion, and as to each party at my then interested in all or any of taid property, that even the till its day of the party	es unknown), marked consigned, agrees to earry to its usual pair or said settination. It is maintainly as service to be performed hereus or nil-water shipmend, or (2) in those on the back thereof, see	and destined as show one of delivery at agreed, as to each or shall be subject the applicable moto forth in the class	an below, which said destination, it is carrier of all to all the terms of corrier classification or tariff	said company (the word company being understoo f on its own nailtead, water line, highway ross or any of said property over all or any portion a and conditions of the Uniform Domestic Studgi tion or tard if this is a motor carrier shipmen which governs the transportation of this shipmen
	(Medic	or street address for purposes of not	fication only.)		Subject to Section 7 of conditions, if this shipmer is to be delivered to the consigner without recourse
Consigned I U	Sunbury Generation on Delivery Shipments, the leiters "COD" must appear before consignee's name or as otherwise provide	dinitem 430. Sec. 1.			on the consignor, the consignor shall sign if following statement:
Destination	Old Trail Rd. Street Sha	amokin Dam		City	The currier thall not make delivery of the shipment without payment of freight and all othe lawful charges.
	County PA	State 1 7 8	376	Zip	
Route	County PA Delivery Address (4 To be Blied in only whon allipper desires an				
	(+To be filled in only when shipper desires an	d governing taritie provide for delive	ry therest)		(Signature of consignor.)
Delivering Carri	erCaro	r Vehicle Initials and No	>		C. O. D. Charges to be
Collect on Deliv	very \$ And Remit to				Paid by ☐ Shipper ☐ Consignee
	Street	City		State	If charges are to be prepaid, write of stamp here. "To be Prepaid."
No. Packages H.M.	Kind of Package, Description of Articles, Special Marks, and Exceptions	"Weight (Subject to Correction)	Class grRate	Check Colume	
		6500		······	
1	load water	-£300	gal		Received Sto apply to apply to prepayment of the charges on the proper
	<i>\$</i> 2				described hereon.
AFE#	51744				Agent or Cashire
API#	51244 37-115-20149				Per (The signature here acknowledges only the amount prepaid.) Charges Advanced:
	100				S
TRuck	626		ļ		† The fibre comminers used for this shipme conform to the specifications set forth in the b
Piate#	P19281H				contents to the specimenous set that wither maker's certificate thereon, and all other requirement of Rule 41 of the Uniform Freight Classificati and Rule 3 of the National Motor Freight Classification."
	timeen not pouts by a cartier by water, be time require; that the bill of liabling that I state whether it is cartier's or shit obsprundent on value, shippers are requised to state specifically in writing the agreed or declared value of the prop of volue of the property is bereity specifically stated by the dripper to be not exceeding	pper's weight. serry.	ber		Class is calculated and class of stamps not a p of bill of lading approved by the Internal Commerces Commission.
	Shipper, Per		Bar	200	£
Permanent post-offi address of shipper,	ce		Per)	
		7			

Carrier's Name: US Environmental Carrier's No. RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading. Dimock Twp. Try described between is apparent good order, except at noed (contents and condition of contents of portages waterown), marked, consigned, and destinate at shown below, which good company the word company is the following personner of companies of contents of portages waterown), marked, consigned, and destinate at shown below, which good company the word company is a sign to the content of the conte	signer without recount in containing the standing of the freight and all other presents.)
Dimock Two. Date 5/21/10 FROM SPIR/CAbot	signer without recount in containing the standing of the freight and all other presidence.)
Consigned TO Sunbury Generation On Collect on Delivery Shipments, the letters "COD" must appear before consigneed's name or as otherwise provided in them 430, Sec. 1. Destination OLG Trail Rd. Street Shamokin Dam City County PA State 17875 Zip Delivery Address* (*To be tited in only when shipper desires and governing tertile provide for dakery thereal.) C. O. D. Charges to Paid by C. O. D. Charges to Paid by C. O. D. Charges to Paid by Paid by C. O. D. Charges to Paid by Paid by C. O. D. Charges to Paid by Paid by	signer without recomming or shall sign to about the sign of the freight and all other consistency.)
Consigned TO Sunbury Generation On Collect on Delivery Shipments, the letters "COD" must appear before consigneed's name or as otherwise provided in them 430, Sec. 1. Destination OLG Trail Rd. Street Shamokin Dam City County PA State 17875 Zip Delivery Address* (*To be tited in only when shipper desires and governing tertile provide for dakery thereal.) C. O. D. Charges to Paid by C. O. D. Charges to Paid by C. O. D. Charges to Paid by Paid by C. O. D. Charges to Paid by Paid by C. O. D. Charges to Paid by Paid by	signer without recomming or shall sign of about the freight and all oth freight and all oth president.)
Consigned TO Sunbury Generation On Collect on Delivery Shipments, the letters "COD" must appear before consigneed's name or as otherwise provided in them 430, Sec. 1. Destination OLG Trail Rd. Street Shamokin Dam City County PA State 17875 Zip Delivery Address* (*To be tited in only when shipper desires and governing tertile provide for dakery thereal.) C. O. D. Charges to Paid by C. O. D. Charges to Paid by C. O. D. Charges to Paid by Paid by C. O. D. Charges to Paid by Paid by C. O. D. Charges to Paid by Paid by	signer without recomming or shall sign of about the freight and all oth freight and all oth president.)
County PA State 17.8.7.5 Zip	onsignor.) o be
County PA State 17875 Zip Bollivery Address* (*To be \$100 in only when shipper desires and governing to title provide for dakvery thereat.) Car or Vehicle initials and No. Paid by	o be
(ATO be titted in only when shipper desires and governing tential provide for delivery thereal.) Car or Vehicle initials and No. Paid by Car or Vehicle initials and No.	o be
Delivering Carrier Car or Vehicle Initials and No C. O. D. Charges to Pald by	o be
Paid by	
Collect on Delivery \$ And Remit to Shipper C	LCORSICORR
If chapts are to be	<u>-</u>
Street State	
Packages P. M. Nind of Package, Description of Articles, Special Matter, and Exceptions to Comection) or Rate Column	
1 load water 6000 gal Received 5	to app
in proportion of the elac	ces on the propor
AFE# 51244 Agent or Ca	ashier
(The signature here acknowled the amount prepaid.)	adges only
API# 37-115-20149 Charges Advanced:	
TRuck# 671/660	
PLate: XBC7420 The fibre considers use conform to the specification maker's confirm to the specification maker's confirmation and Rule 3 of the No. Chastification.	s set forth in the b
*shipment mores between two point by a carrier by water, the law requires that the bill of hading shall seen whether it is carrier's or ablipper's weight. *This control is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property. *greed or declared wince of the property is barboy appealed folly state by the shipper to be not exceeding the control of the property.	of stamp: not a p end by the Interst
Shipper, Per	Age
Permanent post-office address of shipper.	
acturess of shipper,	

Chinnada Na	SG-701	

Carrier's					Carrie	rs No.
		to the classifications and tariffs in effect on the date of the issue of this Bill of lading,				
at Di	.noc	ck Twp. (Date) 5/21/10	FROM_SR	MR/CAbo	t	
the property di throughout this or routes, or of and route Bill of Lading Shipper hereby and the said	escribed to contract within the to destine see fore certifies terms and	below, in apparent good order, except as noted (contents and condition of contents of pactages as meaning day peach or corporation in posteriors of the property under the contents of the property under the content of the former of its highway operations, observate to deliver to another carrier on the route to endour and as to each party at any time interested in all or any of taid property, but every the little and the same and conditions of the said tail of hading hedding to the said tail of hading hedding conditions of the said tail of hading hedding conditions are better the same and conditions of the said tail of hading hedding to the said tail of hading hedding to the said tail of hading hedding to the said tail of hading hedding to the said tail of hading hedding to the said tail of hading hedding to the said tail of hading hedding to the said tail of hading hedding to the said tail of hading hedding to the said tail of hading hedding to the said tail of hading hedding to the said tail of hading hedding to the said tail of hading hedding to the said tail of hading hedding to the said tail of hading hedding to the said tail of hading hedding to the said tail of hading hedding to the said tail of hading hedding the said tail of hading hedding the said tail of hading hedding the said tail of hading hedding the said tail of hading hedding the said tail of hading hedding tail tail the said tail of hading hedding tail tail tail tail tail tail tail tail	unknown), marked, consigned, rees to carry to its usual pl- said destination. It is mentall- service to be performed heave rall-water shipment, or (2) in those on the back thereof, se	and destined as shu ace of delivery at y agreed, as to ex nder shall be subje the applicable mot i forth in the class	own below, which said destination is consistent of all cit to all the term or carrier classification or parity	said company tithe worst company being understo to a list own national water line, highway to or any of said property over all or any posts, or any of said property over all or any posts, the conditions of the Uniform Domestic Study! item or card if this is a motor carret subpress which povers the treasportation of this suppress the treasportation of this suppress
Consigned	OT	(Mail or SUnbury Generation on Dailway Shipments, the letters "COD" must appear before consigned's pame or as otherwise provided	Street address for purposes of not	ification only.)		Subject to Section 7 of conditions, if this thipmer is to be delivered to the consigner without recours on the consignor, the consignor shall sign it following statement:
		old Trail Rd. Street S	hamokin Da		City	The carrier shall not make delivery of the shupment without payment of freight and all oth hawful charges.
		County 27.		876	Zip	
Route		Delivery Address Address (*Tc be Illed in only when a litipper desires and	coverning tarilis provide for delive	ry thereat.)		(Signature of consignor.)
		erCaror				C. O. D. Charges to be
		ery \$And Remit to				Paid by
Conect on	Denv	ery w				If chances one to be morald write (
<u> </u>		State	If charges are to be prepald, write (stamp here, "To be Prepaid."			
No. Packages	H.M.	Kind of Package, Description of Articles, Special Marks, and Exceptions	"Weight (Subject to Correction)	Class or Flate	Check Column	
1		load water	8655 6000	gal		Received \$to app
		<i></i> #2				in prepayment of the charges on the proper described hereon.
Α£	Εź	51244				Agent or Cashier
						(The signature here acknowledges only the amount prepaid.) Charges Advanced:
A	Ιź	37-115-20149				
Tı	uc	k# 621				t "The filtre containers used for this shipme
	at					conform to the specifications set forth in the b maker's certificate thereon and all other requirement of Rule 11 of the Uniform Feeight Classificati and Rule 5 of the National Motor Freight Classification.
NOTE -Where	the rate is	ween two ports by a currier by water, the law requires that the MII of Coding shall state whether it is cartier's or shap dependent on stable, chippers are required to must expedited by a retaining the speciel of electhed valve of the proper value of the property is borroby specifically stated by the shipper to be not exceeding	oer's weight. 1y.	per		t Shipper's targetize in Heu of states; not a p of bill of lading approved by the lateral Commerce Commission.
		Shipper, Per				Age
Domenest	net nice	, , , , , , , , , , , , , , , , , , ,				
Permanent p address of si				Per		
		ب .				

Carrier o 1		OF DILATFORMORECUT	···-		Carne	reno
RECEIVED,	subject to th	e classifications and tariffs in effect on the date of the issue of this Bill of tading,				
at DI the property de strunghout this or rostes, or of said roste Bill of Lading Shisser hereby e gaid to	mock scribed below contract as within the to to destination set forth to certifies the terms and co	TWO . (Date) 5/21/10 w. is apparent good order, except as noted locateau and conduces of contents of particular particular and person or corporation in possession of the property under the content entirely of the highway operation, determine to deliver it another correct on the row, and as to each party at any time interacted in all or any of said poperty, that it is to continue with all the content of the content of the content of the said person, the content of the said person of said poperty, that is be to familiar with all the content of the said person of said poperty and the said person of said person of the said person of said person of the said person of said person of the said person of said person of the said person of said person of the said person of said person	FROM trages unknown, monked, consigned, consigned to carry to lis usual p is to said destination. It is munual every service to be performed here all or rail-water shipment, or (2) in using those on the back thereof, is ts.	SRVIR/Ca and destined as she lace of delivery at ily agreed, as to ee under shall be subje to the applicable movet of forth in the class	non below, which is sold destination, if the carrier of all of the terms for earlier classification or until	cald company (the word compony being understood on its own railroad, water line, highway route or any of said property over all or any portion of the company of the company of the company of the company of the company of the company of the company of the company of the company of the suppression o
		γ,	Mail or street address for purposes of no	iffication only.)		Is to be delivered to the coasience without reconnect
onisigned	in Collection I	SUndury Generation Delivery Shipments, the letters 'COO' must epipear before consignee's name or as otherwise pro	wided in item 430, Sec. 1.	<u></u>		on the consignor, the consignor shall sign the following statement: The carrier shall not make delivery of this
Destinatio	n 01	ā TR∋il Rd. Street	Shamokin	Dam	Citv	The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.
		County Delivery Address ★ (*To be filed in only when slipper delivery)	State	17876	Zip	
Route		Address*				(Signature of consigner.)
-		Ca				C. O. D. Charges to be Paid by
Collect on	Delivery	And Remit to	···			☐ Shipper ☐ Consignee
		Street	City		State	If charges are to be prepaid, write or stamp here, "To be Prepaid."
No. Packages	н.м.	Kind of Package, Description of Articles, Special Marks, and Exceptions	Weight (Subject to Correction)	Class or Flate	Check Çolumn	
1		load water	\$5000	gal		Basing 6
		#2				Received 5 to apply in prepayment of the charges on the property described hereon.
AF	E#	51244			•	Agent or Cashier
						(The alguanare here acknowledges only the amount prepoid.)
<u> </u>	<u>F</u>	37-115-20149				Charges Advanced:
.77	uck#	L2C	1			<u> </u>
T.C.	ucas	210201Ff				1 The fibre containers used for this shipmen conform to the specifications set forth in the bo- maker's certificate thereon, and all other requirement of Rule 41 of the Uniform Freight Causification
*If the shipment	Workel pelanes	n two ports by a corner by water, the law requires that the bill of loding shall state whether it is corrier's endent on value, shippers one required to state specifically in writing the spreed or doctared value of the	or shipper's weight.		<u> </u>	and Rule 5 of the National Motor Preigh Classification." 15Nature Imprint in time of statute cost a new
		endent on value, thippers are required to unic specifically in writing the agreed or declared value of the Jue of the property is hereby specifically stated by the shipper to be not exceeding	property.	(BET		15hlpper's imprint in lieu of stamp; can a par of bill of lading approved by the interstant Commerce Commission.
		Shipper, Per		K	2412	LLE Agen
address of s	oost-office hipper,			Per		
			1			

Carrier's I			·		Carrie	r's No.
		to the classifications and tailits in effect on the date of the issue of this Bill of lading,				
at DI	MOC escribed	(Date) 5/21/10 below, is apparent good order, except as noted recovering and coordinate of one at meaning any persons or comporation in postersion of the greyery under the contract	FROM S	and destined as she place of sichwey as	own below, which	said company (the word company being understood
or soutes, or of said soute Bill of Ladius Shipper hereby	within to desting set for certifles	below, is apparent good order, except as noted (controls and condition of custions) of part territory or its lightway operators, the control to postersion of the property under the control territory or its lightway operators, etherwise to deliver to another center on the rough, and os to each party at any first interested in all or any of said property, that that he is formiller with all the terms and conditions of the said bill of lading, included conditions are hereby agreed to by the shipper and percepted for bilmself and his assign	te to said destination. It is mutter every service to be performed her all or cult-water shipment, or [2] iding those on the back thereof.	illy agreed, as to ex- cunder shall be subje- in the applicable mo- set forth in the clas-	sch exerter of all ect to all the terms for varrier elassifies ssification or built	or any of said property over all or any portion s and conditions of the Uniform Domestic Straight tiles or tariff if this is a motor earnier shapment, which governs the transportation of this shipment.
		Sunbury Generation on Celliery Shipmants, the letters 'COO' must appear before consequent's name or as otherwise pro	ean or emper address for purposes of 0	offication only.)		is to be delivered to the consigner without recom- on the consigner, the consigner shall sign the
Destination	on Collect	ion Delivery Shipmants, the letters "COO" must eppear before consequee's name or as otherwise pro D.C. Trail Rd. Street	vided in Nam 430, Sec. 1. SHamokin D	am	Citv	The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.
	·· —	PA County PA	State	17876	Zip	
Route		County PA Delivery Address* (+To be filled in only when shipper desire	es and nowerning tariffs provide for deli-	very therest t		(Signature of constance.)
		erCa				C. O. D. Charges to be
			•		-	Paid by Shipper Consignee
Collect on	Deliv	ery \$And Remit to				
		Street			State	If charges are to be prepoid, write or stamp here, "To be Prepaid,"
No. Packages	H.M.	Kind of Package, Description of Articles, Special Marks, and Exceptions	"Weight (Subject to Correction)	Class or Rate	Check Column	
1		load water	5000	gal		Received S to apply
		₉ °2				In prepayment of the charges on the property described hereon.
AFE#		51244		·		Agent or Cathier
API		37-115-20149				(The signature here acknowledges only the amount prepald.) Charges Advanced:
Tenc		ation Mile				<u> </u>
PLat	1	VUR- 1776				† The fibre containers used for this chipment conform to the specifications set forth in the box nector's carifficate thereon, and all other replacement of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight
*If the shipment NOTE —Where	moves be the rate in	week took ports by a currier by water, the law requires that the bill of hating sholl usus whether it is carrier's a dependent on valves, shippers are required to state appetitically in writing the apreed or declared value of the is value of the property is treatby specifically stated by the shipper to be not exceeding.	or shipper's weight. property.	per	<u> </u>	Classification." 1Shipper's imprint in lice of stamp; see a persof bill of lading approved by the interstate Commerce Commission.
		Shipper, Per				Ager
Permanent p	post-affi hipper.	al. I h	-593)	Per		,,,95.
	.,		<u>Л</u>			

Carrier's Na	ame:	C. Haer Trucking			Carrie	r's No
		he classifications and tariffs in effect on the date of the Issue of this Bill of lading,				
aplinoc the property describence but throughout this or with of said route to Bill of Lading a or hereby or he said term	ribed belo contract as thin the destination or forth of criffies the res and o	Wish a opporent good order, except as bottel contents and condition of contents of pectages: meaning any person or componition in possession of the property under the contract as territory of its inglinery operations, solveness to deliver to another contract on the roots, and as to each party at any time interested in all or any of said property, that every at the is familiary with all his harmers and conditions of the said hall of starty. Including onditions are hereby agreed to by the Ohipper and accepted for hisself and his assigns.	PROM whitnown is marked, consigned, press to carry to in usual plantation. It is musually acrolic to be performed here rail-water shipment, or (2) is those on the back thereof, se	RUR/Ca. and destined as the one of delivery at y agreed, on to an armiller shall be subject the spoliciable most forth as the class	own below, which said destination, is concerned to all the termiter causer causes assistantials or tarrier causes assistantians or tarrier	said company (the word company being understood f on its own rathcod, water line, Nghway reset or any of said property error all or any portion s and conductors of the Uniform Domester Straight, which governs the transportation of while hipprent,
Consigned	TO_	SUnbury Generation	sireet eucress for purposes or not	iScation only.)		is to be delivered to the consigner without recourse on the consigner, the consigner shall pigm the
Destination	Collect on	Delivery Billipments, the latters 1001' must appear before consignee's name or as etherwise provided 16 Trail Rd. Sh	Initem 430, Sec. 1. amokin Dam		City	following statement: The currier shall not make octivery of this shipment without payment of fielght and all other lawful charges.
D		CountyPA	State1	7376	Zip	
Houte		Delivery Address Address (**) (**To be filled in only whon shipper desires and	governing tariffs provide for delive	ry thereat.)		(Signature of consignor.)
		Caron				C. O. D. Charges to be
Collect on E	Deliver	y \$ And Remit to	· · · · · · · · · · · · · · · · · · ·	•		Paid by □ Shipper □ Consignee
		Street	City		State	If charges are to be prepaid, write or stamp here. To be Prepaid.
No. Packages 1	н.м.	Kind of Package, Description of Articles, Special Marks, and Exceptions	"Weight (Subject to Correction)	Class or Rate	Check Column	
1		load water	5000	gal		Received \$to apply
		#2				in prepayment of the charges on the property described hereon.
AFE#		51244				Agent or Cashler
API#		37-115-20149				(The algorithms here acknowledges only the amount prepaid.) Charges Advanced:
Truck		flod dike				s
PLate	<u> </u>	MUL - 1776		· · ·		† "The fibre containers used for this ahipmen conform to the specifications set forth in the box maker's certificate thereon, and all other requirement of Rule 4) of the Uniform Freight Classification and Rule 5 of the National Motor Preight Classification."
		m by opin by a curier by water, the two requires that the bill of lading shall state whether it is carrier's or ship periods to wake, shippers are required to state specifically in writing the approad or declared value of the peop use of the property is hereby specifically stated by the shipper to be not exceeding	oper's weight.			 Classification: †Shipper's imprint in lieu of alangs, not a pur of bill of lading approved by the Interstate Commerce Commission.
Tax agreed or de	CINTER VI	the second in the property is neverny specifically statute by the supplier to be not exceeding		Per Per		
1		Shipper, Per		<u> </u>		Agen
Permanent pos address of ship	st-office oper,			Per		
		A MIL	$\langle \cdot \cdot \rangle$			

Carners I		C. rizer 'I'TUVCKING the classifications and farilfs in effect on the date of the issue of this Bill of lading.			Carrie	er's No.
neceived,	subject to	k Type (25th) 5/21/10	EROM	SR	WR/Cab	ot
the property of throughout this or routes, or of said route Bill of Lading Shipper bereby and the said	escribed be contract within the to deadnsi set forth centifies terrus and	k TWO s (Date) 5/21/10 clow, in apparent good order, except as noted (contents and condition of contents of packs as meaning may person or corporation in possession of the property under the confinct increase of its brightway operations, externive to deline to another carrier on the most low, and as to each party at any time Interested in all or any of said property, that are the brightway of the content o	ces unknowns, nursed, consigned, agrees to carry to his usual pit to said destination. It is mutually ery service to be performed hereu or rail-water shipment, or (2) in g those on the both thereof, see	and destined as she see of delivery at y agreed, as to en oder shall be subject the applicable most i forth in the class	wan below, which sold destinction. it ich carrier of all et to all the term for carrier classifica- sification or sariff	said company (the word company being understood on his own nilfrood, water line, highway rouse or any of said property ever all or any portion a and conditions of the Uniform Domesic Straight lines or teriff if this is a moster carner shipment, which governs the transportation of this shipment
Consigner		Sunbury Ganeration	or street address for purposes of not	fication only.)		subject to Section 7 of conditions, it into salph is to be delivered to the consignor without secous, on the consignor, the consignor shall sign the
	In Collect o	on Dolivery Shipments, the letters "COD" must appear before consigned a name or as otherwise provid		7		following statement: The carrier shall not make delivery of this suppresent suthout payment of freight and all other
Destinatio	m	Old Trail Rd. Street	SHAMOKIN DE	1787	City	lawful charges.
		County PA County PA Address (*To be filled in only when shipper declares a	State		Zip	
Route		Address	and governing taritis provide for delive	ry thereat.)		(Signature of consignor.)
		rCar				C. O. D. Charges to be
Collect on	Delive	ery \$And Remit to				Paid by ☐ Shipper ☐ Consignee
		Street	Citv		State	If charges are to be prepaid, write or stomp here. To be Prepaid.
No. Packages	нм.	Kind of Package, Description of Articles, Special Marks, and Exceptions	*Weight (Subject to Correction)	Clase or Rate	Check Column	
		load water	5000	gal		
		#2				Received 3
34.	TO #	51244				Agent or Cashler
AP	1	37-115-20149				Per (The signature here nelshowledges only the amount prepaid.) Charges Advanced:
	†"	37-113-20123				
Tr	uck	105				† The fibre containers used for this shipment
PĿ	ate	AF72215				conform to the specifications set forth it the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification."
NOTE -Where	the rate is d	een way ports by a earnist by wilker, the low requires that the bill of lading shall state whether it is center's or v leptaclest on value, shippers are required to state specifically in writing the ogreed or declared value of the pri value of the property is bereby specifically stated by the shipper to be not exceeding	Mpper's weight. operty.	ner		This period in the second of t
				1		<u> </u>
		mis Soldw / GON GEN CT-10				Age
Permanent p address of s		CIMOSPIONUL/GONGEN CT-10	o-50a)	Per 💭		
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DIM0227454 DIM0228644

						Carrie	r's No.
		to the classifications and tariffs in effect on the date of the issue of this Bill o		•			
at DI: the property de throughout this or rootes, or of taid route Bill of Lading Shipper hereby and the said	escribed lescribed within the destination set for certifies remains and	C TIWD a (Date) 5/21/10 below. In apparent good order, except as noted (centers) and condition of content and expert of the property under the service of its highway operations, otherwise to deliver to another carder or allow, and as to reach party at any time interested in all or any of saft propositions, otherwise to deliver to another carder or allow, and as to reach party at any time interested in all or any of saft propositions, otherwise the saft of the saft saft but as the its finding with all the terms and conditions of the saft saft bill of he conditions or the saft saft of the conditions of the saft saft in conditions are hereby spreed to by the shipper said accepted for himself and	has of pockages walnuts of pockages walnuts agrees a the moute to said entry, that every servis is a rail or rail-dang, including those his attages.	FROM SR' own), marked, consigned, a to carry to its usual pro- depthaloia. It is mutually ce to be performed hereus vater simprent or (2) in on the back thereof, set	TR Capc nat destined as sho for of delivery at agreed, as to ea der shall be subject the applicable most forth in the class	was below, which said desination, if the carrier of all the terms or carrier classification or tariff	taid company (the word company being understood of on its own railroad, water line, highway mose or any of said property over all or any portions of the Uniform Demetic Structed and conditions of the Uniform Demetic Structed to tailful file.
ione	OT b	SUnbury Generation on Defirery Shipments, the letters "COD" must appear before cornsigned a name or as oth	(was cr suset	address for purposes or non	leation only.)		Subject to Section 7 of conditions, if this shipment is to be delivered to the costigues without recourse on the contiguous, the constiguous shall sign the following statement: The carrier shall not make delivery of this
		Ld Trail Rd. Street	•			City	The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.
		County PA Dali (A To be litted in only when ship		4	_	Zip	
Houte		(*To be litted in only when shi	pper desires and gover	ming tariffs provide for deliver	y thereal.)		(Signature of consignor.)
_		ery \$ And Re					C. O. D. Charges to be Paid by Shipper Consignee
		Street		City		State	If charges are to be prepaid write or stamp here. To be Prepaid.
No. Packages	H.M.	Kind of Package, Description of Articles, Special Marks, and Exception	1	"Weight (Subject to Correction)	Class or Rate	Check Column	
1		load water		5000	gal		Received \$to appli
		<i>⊭</i> 2			·		in prepayment of the charges on the propert described hereon.
AFE	;	51244					Agent or Conhier
API		37-115-20149					(The signature here acknowledges only the amount prepoid.) Charges Advanced:
Tru	ik,	105			-	_	\$
PLa		AF72Q15					conform to the specifications set faith in the be maker's certificate thereon, and all other requirement of Rule 41 of the Uniform Pright Classification and Rule 5 of the National Motor Freigi Classification.
NOTE -Where	the rate is	ween two ports by a currier by water, the law requires that the bill of leding shall state whether it dependent on value, shippers are required to state specifically in writing the agreed or declared it value of the property is hereby specifically stated by the shipper to be not exceed.	value of the property.	reight.	per		(Shipper's impriet is lieu of summer not a put of bill of loding approved by the loterstate Commerce Commission.
		Shipper, Per					Ager
ant :	ost-offk hipper,	:a			Per, D.		
		BAMO	5				

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Cariter's I	Jame'	US Environmental			Carrie	r's No. 130506
RECEIVED,	subject t	o the classifications and tanifs in effect on the date of the issue of this Bill of lading				. 5110.
a Nio	reck	Two (neta) 5/21/10	FROM_SR	wR/C	abot	
the property de throughout this or rootes, or of said roote Bill of Lading Shipper hereby and the said	escribed in contract within the destination set fortunes are corruitles are are are are are are are are are are	Two. (Date) 5/21/10 clow, in deparent good order, except as soled (contents and condition of contents of pa as metaling any person or corporation in posterison of the property under the country of the infigurary operations, otherwise to deliver to another carrier on the route, and as to each party at any first interested in all or any of said property, that is (1) is sin by building Project Carifornian in effect on the date benefit of this is a fault in with 30 the terms and consistence of the mast fail of the property in the conditions are brickly eighted to by the shapper and accepted for himself and has allied.	eclages onknown, marked, consigned, as ect) agrees to carry to its (usual place set to said destination. It is manually every service to be performed hereum rail or rail-water shipment. Or (2) in hading those on the back thereof, set as.	d destined as she e of delivery at agroud, as to en ler shall be subject the applicable mot forth in the class	was below, which sald desonation, if chemics of all it to all the terms of canier classification or tanif	said company tithe word company being understef on its own milrord, water line, highway me or any of said property over all or any ports, and conditions of the Uniform Dorestic Straightion or tartif if this is a motor camer shipment, which governs the transportation of this chipment,
Consigned	OT	Sunbury Generation	Mail of street address for purposes of notil	cation only.)		Subject to Section 7 of conditions. If this shipment is to be delivered to the consumer without recourse and the consumer shall sign the following statement:
		on Delivery Shipments, fine laters "COD" must appear before consigned a name or as otherwise pridding. Street	01 1 - 7	d.	Citv	The carrier small not make delivery of this shipment without payment of freight and all other lawful charges.
		County YA Delivery	State	17876	Zlp	
Route		Address * {*Ta be filled in only when shipper dash	es and governing ;ariffs provide for dalivery	therest.)		(Signature of consignor.)
Delivering	Carri	erC	ar or Vehicle Initials and No			C. O. D. Charges to be
Collect on	Deliv	ery \$And Remit to		·———		Pald by ☐ Shipper ☐ Consignee
		Street	City		State	If charges are to be prepaid, write or stamp here, "To be Prepaid."
No. Packages	H.M.	Kind of Package, Description of Articles, Special Marks, and Exceptions	"Weight (Subject to Correction)	Class or Rate	Check Column	
1		load water	Gene			Recrived S
		# 2				in prepayment of the charges on the property described hereon.
AFF:		51244				Agent or Cashier
407.		37-115-20149				The signoture here acknowledges only the amount prepaid.)
دولس <u>اکا</u> د ا		620/468				s
Die		ATRIBAH				? The fibre containers used for this shipment confurm to the specifications set forth in the box maker's certificant thereon, and all other requirements of Rule 41 of the Uniform Freight Classification
NOTE Where	the rate is	went two ports by a contract by water, the law requires that the bill of lading shall state whether it is corner's dependent on raises thippers are required to active specifically in writing the agonal or declared value of the	or shipper's weight. e property.			and Rule 5 of the National Motor Freight Classification. 15hipper's imprint in lieu of stamp: not is po of bill of lading approved by the Intersti
The ogreed or	declared	value of the property is hereby specifically stated by the shipper to be not exceeding		per		Commerce Commission.
		Shipper, Per			1	Agent
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Shippers	No.	:>	/.U &

Dimock Two. (Date) 5-22-10 FROM SRIP/Cabot pertry described below. In appears good order, except as noted continue and condition of contents of packages withnessed, marked, consigned, and destined as shown below, which said company the word company below with said contents are accading any person or companies in possession of the property water that contents are accading any person or companies in possession of the property water that contents are accading any person or companies in possession of the property water that contents are accading any person or companies in possession of the property water that contents are accading any person or companies in possession of the property water all of the contents of the property water all or any of said property water all or any of sa	one an primeric bout recourse all sign the ery of this and all other
Consigned TO Sunbury Genration Concollect on Deshvery Shipmants, the letters "COD" must expear before consignee's name or as otherwise provided in item 490, Sec. 1. Destination Old Trail Rd. Street Shamokin Dam City County PA State 17876 Zip Delivery Route Output Shipmant Shippant Shippant Shippant Consignation Delivery \$ Collect on Delivery \$ And Remit to Shipmant Shipmant Shipmant Shippant Shippant Shippant Shippant Consignation Shippant Shippant Shippant Consignation Shippant Shippan	one an primeric bout recourse all sign the ery of this and all other
Consigned TO Sunbury Genration On Collect on Delivery Styments, the letters "CDD" must expear before consignee's name or as otherwise provided in item 430, Sec. 1. Destination Old Trail Rd. Street Shamokin Dam City County PA State 17876 Zip Route Delivery Address Ad	one an primeric bout recourse all sign the ery of this and all other
Consigned TO Sunbury Genration On Collect on Delivery Styments, the letters "CDD" must expear before consignee's name or as otherwise provided in item 430, Sec. 1. Destination Old Trail Rd. Street Shamokin Dam City County PA State 17876 Zip Route Delivery Address Ad	one an primeric bout recourse all sign the ery of this and all other
Destination Old Trail Rd. Street Shamokin Dam City County PA State 17876 Zip Route Address* (*To be filed in only when hipper desires and governing tariffs provide for delivery therest.) Car or Vehicle Initials and No. Collect on Delivery \$ And Remit to Consigned and solution and solutions are solutions and solutions and solutions and solutions are solutions and solutions and solutions are solutions and solutions are solutions and solutions are solutions and solutions are solutions and solutions are solutions and solutions are solutions and solutions are solutions and solutions are solutions and solutions	and all other
County PA State 17876 Zip Route	nee
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Car or Vehicle Initials and No. C. O. D. Charges to be Pald by Collect on Delivery \$ And Remit to Consignation Consignatio	inee
Car or Vehicle Initials and No. C. O. D. Charges to be Pald by Collect on Delivery \$ And Remit to Consignation Consignatio	ives
Collect on Delivery \$ And Remit to Consig	jnes
StreetCityState	write or
No. Packages H.M. Kind of Package, Description of Articles, Spacial Marks, and Exceptions "Weight (Subject" Class Check to Correction) or Rate Column	
1 load water Gal gal	
Received 5 in prepayment of the charges on described hereon.	io apply the property
Agent or Cashur AFC # 51244	
(The signature byte acknowledges only the amount project).	,
APT-2 37-115-20149 Carry Advanced:	
Trucks 614	This shirment
econform to the specifications set of forth maker's certificate thereoe. and all other of Rate 41 of the Uniform Freight and Rate 41 of the Uniform Freight and Rate 5 of the National Months.	h in the box requirements
shipment moves between two ports by a currier by water, the law requires that the bill at lading shall state whether it is carrier's or thipper's weight. —When the rate is dependent on value, shippers are sequired to state specifically in writing the agreed or declared value of the property. aggreed or declared value of the property is hareby specifically stated by the shippers to be not exceeding per	not a port the Emerstate
Shipper, Per	Agent
Permanent post-office address of shipper,	-
$\langle 1 \rangle$	

Shippers	No.	- جائت	100

		US Environmetnal			Carrle	rs No. 150583
		to the classifications and tariffs in effect on the date of the issue of this Bill of lading.	EDOM On:	. /		
the property of throughout this or routes, or of said route Bill of Lading Shapper hereby and the said	antibed contract within it is destine set for certifies terms and	Delow. In apporter good order, except as sound (reastant and condition of contents of pack as meaning any person or operations, otherwise to deliver to another carrier on the territory of its highway operations, otherwise to deliver to another carrier on the content calls and on to each party at any sine Excretated in all or any of taid property, that exists and on to each party at any sine Excretated in all or any of taid property, that exists the conditions of the said bill of lading, included conditions are hereby agreed to by the shipper and accepted for himself and his castigns.	ages unknown), market, consigned or operation occurs to ke stude place to said destruction. It is mutually every service to be performed hereined or rail-water shipment or (2) is ling those on the back thereof, set	d destined as she of delivery at agreed, as to ester shall be subjettie applicable mo forth in the class	coun below, which is said destination, if it is carrier of all et to all the remoter countries elessification or wriff	sald company the word company being traders on its own national, water hose, highway a or any of sald property over all or any port, and conditions of the Uniform Domesus Straigh- tion or tealff if this is a morte carrier silpment, which governs the Dansportation of this shipment,
		(Ma Sunbury Generation ton Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provi	en en encer edologo foi bribrassa di notar	ation only.)		is to be delivered to the consigner without recourse on the consigner, the consigner shall sign the
				So.o.	a. .	The current shall not make delivery of this shipment without payment of freight and all other lawful charges.
Destinatio	ກ	Old Trail Rd. Street	SHEMOKIH!	17276	City	Mator diages.
Pauto		County PA Delivery Address* (*To be \$Bed in only when shipper desires	State	17370	ZIP	
704te		(#To be filled in only when shipper desires	and governing tariffs provide for delivery	thereat.)		(Signature of consignor.)
Delivering	Carri	erCar	or Vehicle Initials and No.			C. O. D. Charges to be
Collect on	Deliv	rery \$And Remit to _				Paid by ☐ Shipper ☐ Consignee
		Street			State	If therees are to be prepaid, write or stamp here. To be Prepaid.
No. Packages	H.M.	Kind of Paskage, Description of Articles, Special Marks, and Exceptions	"Weight (Subject to Correction)	Class or Rate	Check Column	
		<u>loač water</u>	\$300 AD	- gal		Received Sto apply in prepaymens of the charges on the property
		<i>‡</i> 2				described hereos,
AFE#		51244			:	Agent or Cashler
2PT#		37-115-20149				Per (The signature here acknowledges only the amoura prepaid.) Charges Advanced:
(Tenne le	_	614				
TITION		DFLRSII	-			† The first contained used for this different conform to the specifications set forth in the box moker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Chastification and Rule 5 of the National Motor Freight
NOTE Where	moves be the rate is	tween two ports by a currier by water, the law negatives that the bill of leding shall state whether it is earnier's or dependent on value, dipports are required to state specifically in writing the agreed or declared value of the p	r chipper's weight.	L	<u></u>	and four 3 or the Honoral Killson Preigns Classification. †Shapper's imprint in lieut of starrag not a y of bill of lading opproved by the Inters Commerce Commission.
The agreed or	declared	i value of the property is hereby specifically stated by the shipper to be not exceeding		per		Commence Commence
		Shipper, Per		<u> </u>	\sim	Agent
Permanent p address of a		09		Per 之	To f	
		·	1			

Shinners	Nο	-ئان	1	U	

Camier's Nobol # 130512 Carrier's Name: US Environmental FROM SRWR/cabot (Mail or street address for purposes of notification only) Consigned TO <u>Sunbury Geneation</u>
On Collection Delivery Shipments, the letters "COD" must appear before consigned's name or as otherwise provided in item 430, Sec. 1. Destination Old Trail Rd City 17876 .Zip Route. C. O. D. Charges to be _ Car or Vehicle Initials and No. Delivering Carrier. Paid by
☐ Shipper ☐ Consignee Collect on Delivery \$. And Remit to. City State Weight (Subject to Correction) Class or Rate Check нм. Kind of Package, Description of Anticles, Special Marks, and Exceptions <u> 5300</u> <u>load water</u> gal in prepayment of the charges on the property described hereon. AFE# 512454 37-115-20149 API# TR 625 Trucks AF. 57940 one agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding Shipper, Per

CABOT-EPA 007416

Permanent post-office address of shipper.

Shipper's No. SG-/11

Carrier's I		US Environmethal			Came	ers No. 7 JUS 17
		o the classifications and tariffs in effect on the date of the issue of this Bill of lading,				
at Dime	ock	Twp. (Date) 5-22-10	FROM SRI	R/cabo	t	
the property de throughout this or rootes, or of said poute Bill of Lading Shapper hereby and the said t	contract contract within the to destine set forti tertifies terms and	TWO a (Date) Clow, in apparent good order, except as noted (contents and condition of contents of pass to exacting any persons or corporation in postersion of the property under the content sentitive to its highway operations, otherwise to deliber to another camer on the most other and as to each party at any time interested in all or sky of said property, that hill is the full of the said property, that hill is the full of the said property, that hill is the full of the said property, that hill is the said property of the said	chapes sucknown, marked coasigned, oil ogrees to carry to fix usual pix are to said destanaton. It is mutually every service to be performed here- paid or pail-water shipment, or (2) in saling those on the back thereof, see it.	and destined as the see of delivery at y agreed, as to ex- inder shall be subjec- the applicable most t forth in the class	win below, which said destination, in currier of all it to all the term or carrier classifier sification or tenff	said company (the word company being understood on relicond, writer like, highway rous or any of said property over all or any portions as and coordiness of the Uniform Domesia: Straightion or surfit if that is a motor carrier shapeon which governs the transportation of this shapeon
Consigned	4TO	, , , , , , , , , , , , , , , , , , ,	MAN OF EUROCE ROCKERS SOF DUIDOSES OF NOT	fication only)		is to be delivered to the consigner without recours
		Old Trail Rd. Street		Dow	01.	following statement: The carrier shall not make delivery of the shipment werhoost payment of freight and all oth lawful churges.
Destinatio	n	County PA County Delivery Address* (±To be filled in only when shipper dealer	State1	7376	Zip	, ,
Route		Address*				(Signature of consignor.)
						C. O. D. Charges to be
-		orCe				Paid by
Collect on	Delive	ery \$And Remit to				☐ Shipper ☐ Consignee
		Street	City		State	If charges are to be prepaid, write of stamp here. "To be Prepaid,"
No. Packages	нм	Kind of Package, Description of Articles, Special Marks, and Exceptions	"Weight (Subject to Correction)	Class or Rate	Check Column	
_1		load water	6300	gal		Received \$
		÷2		-		Agent or Cashler
AFE/		51244				Par.
API#		37-115-20149				(The signature here acknowledges only the amount propoid.) Charges Advanced:
Truc		TR 625				\$
Plat	a ë	AF - 57940				• "The fibre containers used for this shrpm conform to the specifications set forth in the h maker's certificate threeton, and all other requirem of Rule 41 of the Uniform Freight Classificati and Rule 5 of the National Motor Fed; Classification."
"If the shipment	mores ben	ween two posts by a carrier by water, the law requires that the bill of balling shall state whether it is carrier's dependent on value, thippers are required to state speculically in writing the agreed or declared value of the	or ahipper's weight.			tShipper's Imprirat in lieu of signing, not is just of hill of lading approved by the Interst Commission.
The agreed or	declared	value of the property is bereby specifically stated by the shipper to be not exceeding		per		Commerce Commission.
		Shipper, Per		dano	- De	Age
Permanent p	ost-offic			Per		

Shipper's I	Nο	يات	1	1.	4
SHIDDELS	WO.		_		_

B1-9130607 Carrier's Name: US Environmetnal FROM SRWR/CROOT

of pockages behaves marked, consigned, and idelined as shown below, or
contract) agrees to carry to 1th that the piece of delivery at tail destined
to rouse to solid declination, it is entertially agreed as to each carrier of
the article or anti-verter shipment, or (2) in the applicable motor carrier eta
g. incloding those on the back thereal, set forth in the datasticulors

assigns. DIMOCK TWD a permit good order, except as noted to use the context as meaning any person or expected as posted or the context as meaning any person or expected as posted, or within the certificity of the highway operations, otherwise dense to destination, and as to each party at any time lakerest Lading sea from it is the divident Prelight Chariffication in the context of the co (Mail or street address for purposes of notification only.) Consigned TO Sunbury
On Collect on Delivery Shipmants, the latter Sunbury Generation Destination Old Trail Rd. Shamokin Dam City Street. Delivery Address Addre State 17376 Zip Route (Signature of consigner.) C. O. D. Charges to be Delivering Carrier _ _ Car or Vehicle Initials and No. Paid by
☐ Shipper ☐ Consignee Collect on Delivery \$ _ _And Remit to. If charges are to be prepaid, _City State H.M. Kind of Package, Description of Articles, Special Marks, and Exceptions 6000 load water gal #2 AF 8# 51244 APIE 37-115-20149 Truck and agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding . Shipper, Per_ Agent

CABOT-EPA 007418

Permanent post-office address of shipper,

Shipper's No. SC-713

Carrier's Name: (IS Environmetral RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading, DINOCK TWD.

(Date) 5-22-10. FROM SRWR/Cabot

property described below, in apparent pool order, except no noted (constant and condition of consents of partners) material, consigned, and destined as above, which said company the word company to the property of the property of size highway operations, to chareful or destination, and are to each party at any time lotterated in all or any of said property were said route to the destination, and are to each party at any time lotterated in all or any of said property. This every service to be performed hereunder shall be subject in all the terminal conditions of lading seed found, in the Uniform Property. This every service to be performed hereunder shall be subject in all the terminal conditions of the said permitted in all or any of said property. This every service to be performed hereunder shall be subject in all the terminal conditions of the said permitted and or any of said permitted in the said terminal permitted the said terminal permitted the said terminal permitted the said terminal permitted the said terminal conditions are hereby agreed to by the shipper and accepted for hissaid and the said terminal permitted the said terminal conditions are hereby agreed to by the shipper and accepted for hissaid and the said terminal permitted the said t (Mail or street address for purposes of notification only.) Consigned TO Sunpury Caenration
On Collect on Delivery Shipments. The letters "COO" must soprear before consigned's name or as otherwise provided in Nam 430, Sec. 1. Old Trail Rd. Shamokin Dam Street. City PA State 17376
Delivery Address*
(+To be filled in city when shaper desires and governing turflic provide for delivery thereal.) 17376 County_ Zip Route (Signature of consignor.) C. O. D. Charges to be Delivering Carrier. __ Car or Vehicle Initials and No. _ Paid by
☐ Shipper ☐ Consignee Collect on Delivery \$. ... And Remit to ... State "Waight (Subject to Correction) Class or Rate No. Packages H.M. Kind of Packaga, Description of Articles, Special Marks, and Exceptions 6000 load water gal 6300 APE 51<u>244</u> API 37-115-20149

CABOT-EPA 007419

Truc

Permanent post-office address of shipper,

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding

... Shipper, Per ..

Agent

Shipper's No. SG-714

Carrier's						Carrie	r's No.
	,	to the classifications and tariffs in effect on the date of					•
D	inc	CK TWO. (Date)	5-22-10	FROM	SRWR/ca	bot	
chost tils or routes, or of said route Bill of Lading Shipper bereby and the said	contract within to destit set for certifier terms an	below. In apparent good order, except as noted (contents a law mecoling any person or corporation in possession of the law meroling any person or corporation in possession of the territory of its highway operations, coherents in all the (1) in the Uniform Fright Classification is effect on the (1) in the Uniform Fright Classification is effect on the conditions are hereby appeted to by the through relations of the conditions are hereby appeted to by the through the conditions are hereby appeted to by the through the conditions are hereby appeted to be the conditions are hereby appeted to be the conditions are hereby appeted to be the conditions are hereby appeted to be the conditions are hereby appeted to be the conditions are hereby appeted to be the conditions are set of the conditions are hereby appeted to be the conditions are set of the conditions are hereby appeted to be the conditions are set of the conditions are hereby appeted to be the conditions are set of the conditions are set o	the property under the contains the property under the contain to another currier on the roc or any of said property, that the date hertor, if this is a s if the said bill of lading, inch typted for himself and his assign	chages unknown; market, consigned (c) agrees to carry to its assail the to said destination. It is must every service to be performed he pail or rail-water shipment, or (2) using those on the back thereof, 15.	i, and destined as and place of delivery at ally agreed, as to ex- runder shall be subje- in the applicable mo- set forth in the clas-	said destinotion. It is to all the terms of all the terms of all the terms for carrier classification or taxiff	and company (the word company series understood of on its own gallood, water line, highway route or any of said property over all or any portion s and conditions to the Uniform Domestic Straightuleo or tailff if this is a motor carrier abipment, which governs the mesoportation of this abupment,
Consigne	d TC	Sunoury Ceneratic	on	Mail or street address for purposes of pro	notification only.) .		Subject to Section 7 of conditions, if his shipment to be delivered to the consigner without recourse on the consigner, the consecutive sign the following statement:
		elc Trail Rd.	•	•	Dam	City	The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.
Route		County	Delivery ★				
							(Signature of consignor.)
Delivering	g Carri	er	C	ar or Vehicle Initials and	No		C. O. D. Charges to be
Collect or	n Deliv	very \$	And Remit to				· Shipper Consignee
							If charges are to be prepaid, write or stamp hore, "To be Prepaid,"
No.	Ī	Street	<u></u>	City_ "Weight (Subject	Class	State	and the Assault
Packages	H.M.	Kind of Package, Description of Articles, Spe	cial Marks, and Exceptions	to Correction)	orFlate	Column	
1	_	load water		5000	gal		Received 5 to apply
		; 2					in prepayment of the charges on the property described hereon.
							Agent or Cashier
AFE#	<u> </u>	51244					Per (The signature here acknowledges only
API#		37-115-20149					the unional proposid.) Charges Advanced:
Truck	- 12	\$ 104 MIKE					\$
~late		VVI- 1776					† "The three containers used for the stipmen conform to the specifications set forth in the bor maker's certificate thereon, and all other requirement of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Privale
shipment	t moves be the rate	tween we then by a corner by were, the law requires that the bill of its dependent on value, shippers are required to state specifically in will	ading shall store whether it is carrier's ing the agreed or declared value of the	or shipper's weight.	<u> </u>		Classification." †Shipper's imprist in lieu of stamp; not a par of bill of latting approved by the interstate
		d value of the property is bureby specifically stated by the sh			per		of bill of failing approved by the Interstole Commercia Commission.
			Shipper, Per				Agen
Permanent address of s	post-offi hipper,	41 - 4 /	EN CT-10-	<i>53</i> 8	Per		
				7			

			000000, a. 0. 10(2) 10	a by the Agent				Shippe	er's No. <u>\$G-715</u>
Carrier's I		c C. Haer	Maria miesi mae						.a. 61.
DECEMEN		to the elecation there and to d	Halla allace a standard a	the issue of this Bill of lacin	ng,				r's No.
a Dia	od'	k ጥ⊌ი.	(Data)	5-22-10		ROM S	aua/cat	not	
the property of throughout this or routes, or of said route Bill of Lading Shipper hereby and the said	escribed contrac within to desti set fo certifies terms as	below, in apparent good order, t as meaning any person or the territory of its highway opportun, and as to each party a rich (1) in the Uniform Freight, a that he it familiar with all rid conditions are hereby agreed	except as noted (contents corporation in postession of contents, otherwise to deliver any time interested in all Chasilination in effect on the lerms and conditions to by the shipper and accept the contents of the contents	and condition of contents of the property under the ear to shotther corrier on the lor any of asid property, of the date hereof, if this is of the said hill of lading repted for biruself and his as	pockages unknown much) agrees to route to said de hat every service a rall or rall-was including those or signs.	i) marked, consigned, carry to its usual p stination. It is murual to be performed here or alipment, or (2) is the back thereof, a	and destined as ab- liace of delivery at ly agreed, as to e- under shall be subje- the applicable and et forth in the cla-	own below, which said destination, if the corrier of all the terms to all the terms for exvier chasification or parity	said company (the word company being understood on its own paircool, water line, highway route or any of said property over all or any position and conditions of the Uniform Domestic Saright ition or tastif if this is a morse carrier abigness. which governs the managements of the saidpost which governs the managements of this shipment. Subject to Section 7 of rouditions, if this shipment.
Canaiana	¹TC)Sunbury	Generati	on	(Mail or street ad	tress for purposes of no	tification only.)	i	is to be delivered to the consigner without recourse
Consigner	n Collec	t on Delivery Shipments, the letter	"COD" must appear before o	onsignes's name or as otherwise	provided in item 43	0, Sec. 1.	<i>-</i>		following statement: The carrier shall not eache delivery of this
-Destinati	on	<u>Old Trail B</u>		Street		<u>ടിവകതിരിക</u>			shipment without payment of freight and all other lawful charges.
		Co	unty	⊃ ગ્ Delivery Address	Şta	te <u>173</u>	76	Zip	•
Route		<u> </u>		Delivery Address be filled in only when shipper de	*				(Signature of consignor.)
- "		•							
Delivering	Cam	ier	•		Car or venic	ie iuriais and M	0		C. O. D. Charges to be
Collect on	Deliv	very \$		And Remit	to		<u>:</u>	<u>.</u>	☐ Shipper ☐ Consignee
			Street		^^ 	City		State	If charges are to be proposed, write or stamp here. To be Prepaid."
No. Packages	н.м.	Kind of Packa	ga, Description of Articles, Spi	icial Marks, and Exceptions	·	"Weight (Subject to Correction)	Class or Rate	Check Column	
	 		.		- 1		1		,
1_	<u> </u>	i- load	<u>i water:.</u>		1	5000	gal	, ,	Received \$to apply
						•			in prepayment of the charges, on the property described hereon.
AFE#		5124	l al		i i			81	Agens or Cushier
	 								(The nignature bern acknowledges only the amount prepaid.)
API#	l	37+1	15-20149					•	Charges Advances:
Truc	ij	105					1,111		† The fibre containers used for this shipmen
Plate	,,	DFTODIC			ا ب				conform to the specifications set forth in the bo- nother's centificate thereon, and 31 other requirement of Rules 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freigh- Classification.
		tween two ports by a carrier by Water is dependent on value, altippers are to d value of the property is hereby			er's or shipper's weig f the property.	hi.	DET		Classification." †Shipper's irrenist in they of atamp; not a pa of bill of lading approved by the Interstal Commerce Commission.
Permanent paddress of s	post-off			Shipper, Per	; (- / f, -	SEE)	7	this Shipping	must detach and retain g Order and must sign Bill of Lading.
					5)				

DIM0227454 DIM0228654

Shipper's No. SG-716		CC 71C
	Shioper's No.	3G-/10

Carrier's N		: C. Haer Trucking to the classifications and teriffs in effect on the date of the Issue of this BIII of lading,			Carrie	r's No.
	-	· · · · · · · · · · · · · · · · · · ·	EDOM .	an:== /	. •	
property de throughout shis	scribed contract	S. L.V.D. e. (Date) D-Z2-1U below. In apparent good order, except as noted (contents and cordillon of contents of packages as meaning any person or corporation in possession of the property under the contract ag	unbrown), marked consigned a rees to carry to its usual pla	SKYR/Ca and destined as the ce of delivery as	COCE Abide woled need a cocie in a cocie coci coci	said company (the word company being understood on its own railroad, water lise, highway route
of said some Bill of Lating Shipper herety and the said t	within to destine to d	Letter to a continue the content of postures and conditions of contents of postures to see meaning any person or corporation is possessism of the property studer the contents of postures are territory of its highway operations, to deviewise to deliver to another carrier or the route to such and as to each purry at any line interested in all or any of taid property, that every till it is the Uniform President Classification in efficien on the data hereof, thinks it a rath or that is familiar with all the terms and conditions of the said bill of things, including deconfidence are hearthy agreed to by the abopter and secreted for this action.	said destination. It is minimally service to be performed hereur rail-water shipment, or (2) in those on the back thereof, set	der shall be subjected applicable modern applicable modern from the class	of to all the terms tor carrier classifies suffication or twiff	or any of sain property over all or say postion a and conditions of the Uniform Domestic Lindght tion or tariff if this is a motor currer skipment, which governs the transportation of this shipment,
Consigned	ıTO	Sunbury Genration (Mail or	street address for purposes of notif	ication only.)		Subject to Section 7 of conditions, if this shipment is to be delivered to the consigner without recourse on the consignor, the consignor shall sign the following experience:
		ton Delivery Shipments, the lotters "COO" must appear before consigned a name or as otherwise provided in OLG Frail RG. Street		Dam	City	The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.
		County PA Delivery Address (*To be filled in only when stipper desires and	State17	876	Zip	
						(Signature of compignor.)
_		erCaror)	<u> </u>	C. O. D. Charges to be Paid by
Collect on	Deliv	very \$And Remit to				☐ Shipper ☐ Consignes
		Street		T 2 1	State	If charges are to be prepaid, write or stamp here, "To be Prepaid."
No. Packages	H.M.	Kind of Package, Description of Articles, Special Marks, and Exceptions	"Weight (Subject to Correction)	Class or Rate	Check Column	
_1		load water	5000	gal		Received 5 to apply
		#2				in prepayment of the charges on the property described hereon.
AFE#		51244				Agent or Cashler
API#		37-115-20149				(The signature here acknowledges only the amount prepaid.) Charges Advanced:
Truck	1 11	\$104 MIKE				\$
\ata		YYR- 1776				1 "The fibre containers used for this shapmen conform to the specifications set forth in the box maker's certificate thoreon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freigh
hipment . —Where	moves be the mile in	theses two points by a cutrier by water, the law requires that the bill of lading shall state whether it is carrier's or slaped of pendicut on white, allipses are required to state specifically in writing the greed or declared value of the proper dependent of the property is knowledge property precifically started by the adhipper to be not exceeding.	er's weight. cy.	747		Classification." 15hipper's imprint in lieu of stamp; not a par of bill of lading approved by the interstate Commerce Commission.
		Shipper, Per				Agen
Permanent p			533)	Per		
			1			
		i				

		C. Haer Trucking					Carrie	r's No.
		o the classifications and tariffs in effect on the date of						
at Dime	<u>oc</u> ;	k Two. (Date)	<u>5-22-10</u>	FROM	SRWR	?Cabot		
the property described throughout this of the rostes. Or with of said route to Bill of Lading a Skipper hereby of and the said terr	ribed introduction of the contract of the cont	(Date) Delow, in apparent good order, except as noted feoriests as meaning any person or exposition in potention of the territory of its highway operations, observate to deliveration, and as to each pury as any time intercreted in all all 1) in the Uniform Project Classification. In officer on the Company of the Compan	and coedidoo of contents of pac- itie property under the content r to another carrier on the rout to the content of the rout the date hereof, it this is a roll the total of the raid bill of lading, inci- topted for himself and his assign	ckages unknown; marked, ent) agrees to earry to its the to said destination. It every service to be perfor all or rail-water skipment, unting those on the back is.	unsigned, and usual place is mutually a med hereunder or (2) in th thereof, set fo	desimed as sho of delivery at greed, as to ex- r shall be subject a applicable more orth in the class	we below, which : sold destination, if it carrier of all o it to all the terms ov carrier classificat difficulties or tariff	acid company (the word company being understo, it on its own nailroad, water line, highway round or any of said property over all or any portion; any of said property over all or any portion; the conditions of the Uniform Domestic Straighting or tard if it this is a motor carrier shipmen which governs the transportation of this shipmen.
		Sunbury Geneartion on Delivery Shipments, the letters TOO strust appear belore or	Į×	ARE OF STREET BOXICESS FOR DUID	oses of notifica	fion only.)		Subject to Section 7 of conditions, if in support is to be delivered to the consigner without recours on the consignor that sign the following statement:
								The carrier shall not make delivery of the arisment without payment of freight and all other
Destination		Did Trail Rd.	Street	Snamor	In U	301	City	lowful charges.
		County(**To	Delivery Address	State	178	7 X 45	Zip	
House		(*To	be tiled in only when shipper desire	es and governing tantle provid	e for delivery ti	nereal.)		(Signature of consignor.)
Delivering C	ani	ar	Ca	ır or Vehicle Initials	and No.			C. O. D. Charges to be
Collect on E	Deliv	ery \$	And Remit to					Pald by □ Shipper □ Consignee
		Street			Dity		State	If charges are to be prepaid, write of stamp here. To be Prepaid.
No. Packages	H.M.	Kind of Package, Description of Articles, Spo	cial Marks, and Exceptions	"Weight (S to Correc	ubject tion)	Class or Rate	Check Column	
_1		load water		500	0	gal		Received 5 to app in prepayment of the charges on the proper
	_	# X 2						described hereon.
AFRS.		51244						Agens or Cashler
								(The algorature here acknowledges unity the amount prepaid.) Charges Advanced:
API	-	37-115-20149						Comprison and the compression of
Pruck	4	105						t The Ohre contained used for this whimm
olata	4 <u>4</u>	AF 72215						† The fibre containess used for this thipme conform to the specifications set forth in the b maker's certificate thereum, and all other regularence of Role 41 of the Uniform Freight Classificant and Rule 5 of the National Motor Freight
*If the shi prisms the NOTE Where the		ween two points by a curriar by water, the law requires that the bill of dependent on value, shippers are required to state specifically in with value of the property is hereby specifically stated by the st	- •	or shipper's weight.		ptr		Classification. 153 apper's imprint in Neu of stamps not a portion of lading approval by the Interest Commerce Commission.
	-1 0#	0/	Shipper, Per	\				Age
Permanent pos address of ship	per,	" (MM) Selm (50M	60 CT-10	5371		Per J		
		•		ረ]				

Shipper's No. SG-718

Carrier's h	Vame	: US Environment	al			Carrie	130L# ers No	130513
		to the classifications and tariffs in effect on th			•			,
	Dia	nock Twp.	(Date) <u>5-23-10</u>	FROM_	SRWR/C	labot		
me property of throughout this or routes, or of said route Bill of Lading Shipper hereby and the said to	escribed contract within the destinate for set for certifies terms as	AOCK TWE a below, in apparent good order, except as noted as meaning any person or corporation to pos- tailors, and as to each party at any time latera- tition, and as to each party at any time latera- tion and as to each party at any time latera- that be is familiar with all the timeras and d conditions are bareby agreed to by the shipper	contests and condition of contents of pockous esistion of the property under the contents to deliver to another carrier on the route of in all or any of said property, that ev- ificer on the date hereof. If this is a rail additions of the said bill of tellog, including and accepted for himself and his ostigas.	ges unknown), marked, consi- agness to carry to its as- to said destination. It is- ery service to be performed or rail-water thipment, or ug those on the back then	gned, and destined as she ual place of delivery at mutually agreed, as to e hereunder shall be subj- (2) in the applicable me sof, set forth in the elo	own below, which said destination. It cannot of all the terms of all the terms carrier classification or tariff	raid company (the f on its own re or any of said or and conditions sion or tariff if which governs to	word company being understood litmad water line. Lighway route property over all or my portion of the Uniform Domestic Straight this is a motor carrier shipment, at the company of this shipment.
		ASunbury Centa	(wan	or street audiess for purpose:	s of notification only.)		is to be delivered on the consign following statem	ion 7 of coaddons, if this supraired of to the consigner without recourse or, the consignor shall sign the cut:
		Old Trail Rd.			Sahmokin	Dam cm	The carrier shipment without bawfel charges.	thall not make delivery of this payment of freight and all other
			D 3	 .	17276	Zip		
Route		Gounty	Address*	and countries twiffs remaids to	c dollars with a result h		ļ	Signature of consignor.)
						•		
	'	erery\$			10 NO		Pas	Charges to be 1 by hipper D Consignee
****		Street		Cit	у	State	If charges stamp here. To	are to be prepaid write or be Prepaid."
No. Packegas	н.м.	Kind of Package, Description of A	licies, Special Marks, and Exceptions	"Weight (Sub) to Correction	nut Glass) Glass or Rate	Check Column		
_1		load water		6300			Received S	to apply
		#2					in prepayment described hereo	of the charges on the property
AFF#		51244					Per	Agent of Cothler
API#		37-115-2014					(The signature the amount pro Charges Advance	here acknowledges only paid,) d:
Truc	* ;	TR G25					\$	containers used for this shipmen
late	di	AF-57940				1	maker's certific	specifications set forth in the bo- te thereon, and all other requirements the Uniform Freight Classification of the National Motor Fedgh
JE —Where	moves be the rate is	twose two parts by a carrier by water, the law requires that s dependent on value, shippers are required to state specifi à 1 alue of the property is hareby specifically states		hlpper's weight, operty.	per			rint is lieu of stamp, not a par normy approved by the interstate amission.
-			Shipper, Per		Ja	rdy Hor	wif	Agen
Permanent p address of si			.,		Per	<i></i>		
			_	1				

Shipper's No. SG-719
BL-A130609
24 A 10001

Carrier's Name	e: US Environmental				Cartie	Frs No.
RECEIVED, subjec	n to the classifications and tariffs in effect on the dai	e of the issue of this Bill of lading,			•	
at_Dimoc	k Twp. (Da	te) 5-23-10	FROM_S	RMR/Cabo	ot	
the property desembed throughout this control or routes, ar within of taid mate to des Bill of Lading set is Shipper hereby criffs and the said terms of	below, in apparent good order, except as noted (content as meaning any preton or corporation in possession than terms of the territory of its highway operations, otherwise to disastion, and as to each party at any time Interested is form (rt). In the Uniform People's Cassistension in effect of the Cassistension in the Cass	nx and condition of contents of pecks to the property ender the contract; there to snother carrier on the route till or any of said property, that ere on the dote hereof, if this is a nall so of the said ball of hading, including accepted for himself and his assigns.	ages inhousn), marked, consignerages to carry to his used to said destination. It is made very service to be performed in or rall-water shipment, or (2) ing those on the back thereof.	d, and destined as the phase of delivery at unity agreed, us to ex- ercunder shall be subje in the applicable mo- set forth in the clay	own below, which said destruction, rach conver of all the terms for camer classification or caelff	said company (the word company being understood of on its own railroad, water line, highway route or any of said property over all or any portion a said evodifiace of the Uniform Domestic Straight islen or tartif if this is a motor carrier ablument, which governs the transportation of this shipment.
Canalanad TC	Sunbury Genration set on Delivery Shipments, the letters "COO" must appear before	(wr	a or street acoress for purposas or	notification only.)		Subject to Section 7 of conditions, if this shipment is to be delivered to the consigner without recourse on the consignor, the consignor shall sign the following statement:
	CLC Trail RC.			okin Doo	0	The carrier shall not make delivery of this shipment without payment of freight and all other towful charges.
Destination	OIC HALL AC.	Street	Suam Suam	<u> 17975</u>	-	towith the Ber-
	County	Delivery_	State	17575	Zip	
Houte	(ACCITESS	and governing terffis provide for d	fivery thereat.)		(Signature of consigner.)
Delivering Can	rier	Car	or Vehicle Initials and	No		C. O. D. Charges to be
Collect on Deli	ivery\$	And Remit to				Paid by ☐ Shipper ☐ Consignes
	Street		City		State	If charges are to be prepaid, write or stamp here, "To be Prepaid."
No. Packages H.M.	Kind of Package, Description of Articles	Special Marks, and Exceptions	Weight (Subject to Correction)	Class or Flate	Chack Column	
1	load water		6660	gal		
•	#2		3333	1 3 2 1		Received \$ to apply in preparation of the charges on the property described hereon.
AFS#	51244					Agest or Cashler
					·	(The signature here acknowledges only the encount prepaid.)
API	37-115-20149)				Charges Advanced:
Truck."	626				L	The fibre continers used for this shipmen conform to the specifications set forth in the box
Plate#	PHRARIH					conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 4; of the Uniform Freight Classification and Rule 3 of the National Motor Freight Classification.
	between two ports by a carrier by wafer, the low requises that the bil is dependent on value, shippers are required to state specifically is ed value of the property in hereby specifically stated by 81		shipper's weight. roperty.	per		This ticebook 15 limited by the Interstate of bill of lading approved by the Interstate Commerce Commission.
		_ Shipper, Per		Bc	mo	3 EAgen
Permanent post-of address of shipper	fice			Per		J
			{]			

Shipper's No. <u>SG-720</u> USE Col # 130571

: US Environmental				Carrie	rs No.
k Twp. (Dat	e) 5-23-10	FROMISE	IR/Cabot		
below. In apparent good order, except as noted (center to an meaning any person or composition in possession the territory of its bigitney operations, otherwise to de nation, and as to exch party at any time interested in ris 11 in the Uniform Freight Classification in effect in that it is familiar with all the terms and cradition of conditions are incomply agreed to by the shipper and	ns and condition of contents of pack of the property under the control fifter to snother carrier on the rosts all or nny of said property, that e on the date hereof, if this is a part so of the said bill of latting, include occepted for himself and his assigns.	ages unknown; marketh consigned b agrees to carry to its assual pi to said destination. It is mutual very service to be performed better il or mil-water shipment or (2) it ling those on the back thereof, so	and destined as short isce of delivery at ly agreed, as to eac under shall be subject in the applicable mote at forth in the class	ra below, which is said destination. If he carrier of all is to all the terms or carrier classification or most?	said company (the word company being understood on its own rallicod, water line, highway router or any of said property over all or any partlos and conditions of the Unaform Domeric Sizaglad- tion or smill if this is a motor carrier shipment which governs the irrasportation of this shapment
			dification only.)		Subject to Section 7 of conditions, if this shipment is to be delivered to the consigner without recourse on the consignor, the consigner shall sign the following storment:
			~		The carrier shall not make delivery of this shannest without payment of freight and all other
Old Hall Rd.	Street	Silamokin	Dain		lawful charges.
County	Dalivani	State	17875	Zip	
	Address*_				(Signature of consignor.)
er	Ca	or Vehicle Initials and N	lo		C. O. D. Charges to be Paid by
					Shipper Consignee
					If charges are to be prepaid, write or
Street	1	City		State	stamp here, "To be Prepaid,"
Kind of Package, Description of Articles,	Special Marks, and Exceptions	*Weight (Subject to Correction)	CIASS cr Rate	Check Column	
load water		€€00	gal		Received \$
#2	<u></u>	,		-	described hereos.
51344	•				Agent of Cashier
51244					Per 1The argusture here acknowledges only
37-115-20149					the amount peoprid.) Charges Advanced:
618					5 The fibre containers used for this shipmen
AF 68829	**************************************				conform to the specifications set forth in the bo maker's certificate thereon, and all other requirement of Rule 41 of the Uniforms Freight Classification and Rule 5 of the National Motor Freight
s dependent on value, shippers are required to state specifically in	writing the agreed or declared value of the	r shipper's weight. Propeny.	ner		Chastification. †Shipper's imprint in lies of stamps not a pa of bill of fading approved by the interstal Commerce Connaission.
			Sur	unul	J. Fleshifta Ager
ice					
	to the classifications and tariffs in effect on the date K TWD. (Date Ledew. In apparent pool order, campt as point feature to the present pool order, campt as point feature to the present pool order, campt as point feature to the present pool order, campt as point feature to the present pool order, campt as point feature the present pool order, campt as pool or the present pool order, campt as pool or the present pool order, campt as pool or the present pool order, campt as pool or the present pool order, campt as pool or the present pool order, campt as pool order, and the present pool order, campt as pool order, the present pool order, and the present pool order Sunbury Generation Sunbury Generation County County County County Street Kind of Package, Description of Articles, 10ac Water 10ac 13ac Water 11ac 15ac 15ac 15ac 15ac 15ac 15ac 15ac	to the classifications and tariffs in effect on the date of the issue of this Bill of lading, K. TWD. (Date) 5-23-10 below. Is apparent good order, coupt as noted between and confilies of concerns of particles are seening any good order, coupt as noted between and confilies of concerns of particles are seening any good order, coupt as noted to be contained and or particles of the property user the confidence of the property user the conficience of the property user the confidence of the property user the confidence of the property user the confidence of the property of the bightway operations. It is a rail and the business of the property of the business of the property of the business of the property agreed to by the adaptor and accepted for binnell and his adaptor of confidence or business. The business of the property of the business of the property of the business of the property of the business of the property of the business of the property of the business of the property of the business of the property of the business of the property of the business of the property is hereby specifically stated by the Adaptor to be not exceeding the value of the property is hereby specifically stated by the Adaptor to be not exceeding the data of the property is hereby specifically stated by the Adaptor to be not exceeding the property is hereby specifically stated by the Adaptor to be not exceeding the property is hereby specifically stated by the Adaptor to be not exceeding the property of the property is hereby specifically stated by the Adaptor to be not exceeding the property of the property is hereby specifically stated by the Adaptor to be not exceeding the property of the property is hereby specifically stated by the Adaptor to be not exceeding the property in the property is hereby specifically stated by the Adaptor to be not exceeding the property in the property in the property is hereby specifically stated by the Adaptor to be not exceed to the property in the property in the property is hereby the propert	to the classifications and tariffs in effect on the date of the issue of this Bill of lading, Nation	to the classifications and tariffs in effect on the date of the issue of this Bill of lading, C TVID	The classifications and tariffs in effect on the date of the issue of this Bill of ladding. K. P.W.D. (Date) 5.2.23.10 FROM SREEV/Cabot What is a meaning any protes good evier. camps a good (several and condition as to execute of publicar survives in the laboration in presentation of the property cuter the control signes to carry to at acting place of delictory in this delication in the carriery of the laboration of the property cuter the control signes to carry to at acting place of delictory in the delication in the carriery of the laboration of the property cuter that control is in pressing angular to the carriery of the carriery of the laboration of the property cuter that control is a first on the date forced. If this is a rail to embrave absprets, or (i) in the applicable proper carrier classification and the stages of the control of the control of the conditions of the survive s

Shipper's No. SG-721

		: US Environmental				Carrie	er's No. DCZ 130314
		to the classifications and tariffs in effect on the date of					
at_Di	moc	k Twp. (Date	5-23-10	FROM_S	RNR/Cabo	t	
the property de throughout this or routes, or of said route Bill of Lading Shipper hereby and the said	escribed contract within the to destin set for certifies terms are	Chale The low. In paparent good order, except as some (coments as meaning any perion or corporation in possession of the territory of its lighway operations, orderwise to deliv- solion, and as to sear perry at any time lements of the 171 in the Uniform Freith Classification in effect or the conditions are briefly agreed to the energy as the paper and as	and condition of comenas of pa- of the property under the contra- ter to another carrier on the ros- all or easy of said property, that a the date hercof, if this is a of the said bill of lading, lock compiled for himself and his satign	chages unknown), marked consider of self agrees to carry to its usual to said destination. It is every service to be performed to rul-water shumant, or unding those on the back them is.	gned, and destined as at out place of delivery at mutually agreed, as to a hereunder shall be subject (2) in the applicable on of, set forth in the cla	nown below, which is said destination. I seek encrier of all the term of or carrier classification or tand!	sald company (the word company being understood for us own ralboad, water line, highway noue as any of said property over all or any portion as and conditions of the Uniform Donesies Studies the control of the control of the control of the control of the control of this objects which governs the transportation of this objects.
		Sunbury Generatio	Į.	Mail or street address for purpose	of notification only)		Subject to Section 7 of conditions, if this shipment is to be delivered to the consigner without recourse on the consignor, the consignor shall sign the following statement:
Destinatio	n	Old Trail Rd.	Street	Sha	mokin_DA		The currier shall not make defivery of this shipment without payment of freight and all other lawful charges.
		. County	PA Dalivery.	State	17875	Zip	
Route		[* T	Address Address of the control of th	es and governing tariffs provide to	delivery thereat.)		(Signature of consignor)
		er					C. O. D. Charges to be
Collect on	Deliv	rery \$	And Remit to				☐ Shipper ☐ Consignee
		Street		Cit	/	State	If charges are to be prepaid, write or stamp here, "To be Prepaid."
No. Packages	H.M.	Kind of Package, Description of Articles, Sp		"Weight (Subje to Correction	ct Class or Rate	Check Column	
1		load water		6300	gal		Parelized \$ 45 amply
		#2					Received 5 to apply to prepayment of the charges on the property described hereon.
afe#		51244					Agent or Castaler
API#		37-115-20149					Per (The signature here acknowledges only the amount prepaid.) Charges Advanced:
2ruck	i.	TR 625				-	
Plate		AF - 57940					† "The Bire containers used for this shipmen conform to the specifications set forth le the box maker's certificate thereon, nod all other requirement of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freigh
*If the shipment NOTE —Where	moves bet the rate is	tween two ports by a currier by wrier, the law requires that the bill of dependent on value, shippers are required to state specifically in wr I value of the property is hereby specifically stated by the s	iting the agreed or declared value of the	or shipper's weight. r pruperty.	per		Classification." 15hipper's imprint in theu of stamps not a pa- of bill of leading approved by the latertast Commerce Commission.
			Shipper, Per			undy H.	7 //
Permanent p					Per	0	
				7			

Shipper's No. SG-722
BX-19130BID
いない。アグノコロロレロ

Carrier's h	Vame:	US Snvironmental				Carrie	rs No. 17 DOBLO
TOEIVED,	subject (o the classifications and tariffs in effect on the date of the issue of th	is Bill of lading,				
Dia	ioc}	TVID a (Date) 5-2. Selow, in apparent good order, except as noted feminests and condition or as meaning any person or coxporation in postsation of the property se territory of its highway operations, otherwise to deliver to enother addition, and set to each party at any time interested in all or any of an act) and the balloom frought chastification as effect on the due beyond the season of	3-10	FROM_SRV	IR/Cabo	t	
tes: property de throughout this	escribed l contract	pelow, in apparent good order, except as noted femilients and condition of as meaning any person or conpuration in possession of the property	f contents of packages unker under the contracts agrees	to carry to its usual place	nd destined as sho	un below, which i	said company tibe word company being understood
of said route Bill of Lading	to Gestin	atton, and as to each party at any time interested in all or any of an h (1) in the Uniform Freight Classification in effect on the date hered	id property, that every serv	ice to be performed become water shipment or (2) in	the applicable most	t to all the terms or carrier classificat	and cooditions of the Uniform Domestic Straight tion or saiff if this is a motor carrier shipment.
and the said t	certifies terant and	that he is familiar with all the terrot and conditions of the said bill a coaditions are hereby agreed to by the shipper and accepted for himse	of lading, including these if and his assigns.	on the back thereof, set	forth in the class	tification or testif	which governs the transportation of this shapment
Consigned	σТο	1.1	on (Mail or area	a address for purposes or now	ication only.)		Subject to Section 7 of conditions, if this shipment is to be delivered to the consigner without reconse on the consignor, the consignor shall sign the following strategies.
		Old Trail Rd. Street			ໂລລ	011	The corner shall not make delivery of this shipment without payment of freight and all other lawful charges.
Destinatio	n	STOT TEATE NO.	3 	11	7076	City	press charges
		County P (*To be filled in only v	Delivery.	State	1010	Zip	•
Route	•	(*To be illed in only y	Address X	ming tariffs provide for deliver	v thereat.)		(Signature of consignor.)
		ər					C. O. D. Charges to be
-							Paid by
Collect on	Deliv	ery \$Ar	nd Remit to				☐ Shipper ☐ Consignee
		-				.	If charges are to be prepaid, write or stamp here. "To be Prepold."
No.	 			City	Class	State	· ·
Packages	H.M.	Kind of Package, Description of Articles, Special Marks, and E	xceptions	to Correction)	or Rate	Column	
				6800			
1		<u>load water</u>		-6304	gal		Received S to apply in prepayment of the charges on the property
		·			1		described hereon.
	ļ				.		
							Agent or Cishier
AFE#	∤ —	51244			 		Per 1The signature here acknowledges only
	1	27 445 204 12			1 1		the amount propoid.) Charges Advanced:
API#	-	37-115-20149			.		Charges Astrances:
	.,	606					\$
Truc.	<i>14.12</i>	600		-	-		† "The fibre containers used for this thipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements
1 - 4	J.,	と する 3 る 1 た					maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Preight Classification and Rule 5 of the National Maxor Freight
a shipment	mores be	tween two ports by a currier by water, the law requires that the bill of lading shall state w	hether it is carrier's or shipper's	weight.			T Classification.
		stependen on value, shippen are required to sade specifically in writing the agreed or I walue of the property is hereby specifically stated by the ahipper to be not			(Per	_	†Shipper's impries in Beu of stores; not a part of bill of lading approved by the interstate Commerce Commission.
- av square of						<i>X</i>	P
		Shipper, Po	er		10	mak	Ageni
Permanent	post-offi	oe ·			_		٠
address of s		,			Per		
			- 1				

Shipper's No. SG-723 US & Bul# 109440

		: US Environmental				Carne	r's No.
		to the classifications and tariffs in effect on the tlate of					
at_Dif	30C	k Twp. (Date)	<u>5-23-10</u>	FROMPROR	<u>/Cabot</u>		
the property de throughout this or routes, or of said route to Bill of Lading Shipper hereby and the said is	ecribed contract within it to destin set for certifies	Coato) Delow. In apportent good order, except as noted (contents as meaning any persons or corporation in post-sation of the territory of its highways operations, otherwise to deliver relation, and as to cack party or any time interested in all the companion of the content of the content of the content of the content of the content of the content of the content of conditions are hereby agreed to by the higher and continues are hereby agreed to by the higher and	and condition of contents of package the property under the consument to enother carrier on the route or any of said property, then eve the date herrof. If that is a rail of the said hill of lacing, incinding pack for himself and his axigos.	es unixacowas, marked, correjentel, a agrees to earry to its usual plate to said destination. It is mutually ry service to be performed hereun or rail-water abipment, or (2) in g those on the back thereof, set	nd destined as sho be of delivery at agreed, as to ex- der shall be subjec- the applicable more forth in the class	on below, which said destination, is a carrier of all to all the terms or carrier classification or tariff	said company the ward company being understor, j on its own relicoat, water line, highway roo or says of said property over all or any portic, s and conditions of the Uniform Domestic Straig tion or tariff if this is a motor carrier rilpare, which governs the transportation of this thipment.
Consigner	ıΤΟ	Sunbury Genration	(Mau)	or street address for purposes of notifi	cation only.)		Subject to Section 7 of conditions, if this shipme is to be delivered to the consigner without recour on the consignor, the consignor shall sign if
٠ ٥	n Callect	on Dolivery Shipments, the letters "COO" must appear before co	nelgnee's name or as otherwise provide				following statement: The earrier shall now make delivery of it shipment without payment of freight and all others.
Destination	n	Old Trail Rd.	Street			City	hwy) charges
		County	PA	State178	76	Zip	
. ,00		(*To	be illied in only when shipper desires a	nd governing tariffs provide for deliver	(therest.)	· · · · · · · · · · · · · · · · · · ·	(Signature of consignor.)
Delivering	Carri	er		r Vehicle Initials and No	· 	· · ·	C. O. D. Charges to be Paid by
Collect on	Deliv	rery \$	And Remit to				☐ Shipper ☐ Consignee
		_				State	If charges are to be prepaid, write simp here. To be Prepaid.
No. Packagas	нм.	Kind of Package, Description of Articles, Spe		*Weight (Subject to Correction)	Class or Rate	Check Column	
		7 •		c a no	,		
		load water		<i>€</i> © 00	gal		Received 5 to ag
		#2					described hereon.
		51244					Agent or Cushier
<u>Redy</u>	H	51244			1		Per (The signature here acknowledges only the amount prepaid.)
APT#		37-115-20149					the amount prepald.) Charges Advanced:
APIZ		3/-113-20143			 		
Truc		413					\$
							† "The fibre containers used for this ships conform to the specifications set forth in the maker's certificate thereto, and all other requirem of Puls Al of the Uniform Parists Circulars
Plat	b <i>#</i>				<u> </u>		of Rule 41 of the Uniform Preight Classification Free National Motor Pre Classification."
		ween two ports by a carrier by water, the law requires that the bill of it dependent on value, shippers are required to state specifically in writ		gaper's weight porty.			†Shipper's imprint in lieu of stamp; not a of bill of lading approved by the Inter-Commerce Commission.
The agreed or	deeksred	I value of the property is hereby specifically stated by the sh	pper to be not exceeding		per		Commerce Communition,
			hipper, Per		Sum	welg,	Starter 1/10 Age
Permanent p address of st		Ce			Per		
		-		<u></u>			

Shipper's No. 33-724

		e: C. Haer Trucking to the classifications and tariffs in effect on the date of the lasue of this Bill of lading.			Carrie	r's No.
	-		EDOM C	STD (Challe	- -	•
throughout this or routes, or of said route Bill of Lading Shipper hereby and the said	combed contrac within to death set fo certific terms or	below. In apparent pond order, except as noted (contents and condition of contents of packages as seating any parton or corporation in postession of the property sader the contract) of the territory of the tighting operations, otherwise to deliver to another centre on the noise to estude, and as to each party at any time interested in all or any of said property, that every the (1) is the beliform Fright Charifrication in effect on the date benefit, if that is a roll of a that is forwhere with all the terms and conditions of the said bill of being, including a condition is not be the said bill of being including and conditions are benefit operated to by the shippert and excepted for Masself and the assigns.	waknown), marked, coasined, a recs to carry to its usual pin said destination. It is mutually service to be performed herem sail-water shipment, or (2) in those on the back thereof, set	and destined as the ce of delivery at a greed, as to estate shall be subject the applicable motion forth in the characteristics.	over below, which said destination. If the control of all or to all the terms tor carrier classification or tariff.	sald company (the word company being understood on its own ruleted water like. highway route or any of said peoperty over all or say portion ; and conditions of the Uniform Domesuc Straight its one runfill if this is a most carrier disputeds. which governs the transportation of this disputed.
Consigned	αТС	Sunbury Generation (Malor	street address for purposes of not	lication only.)		Subject to Section 7 of conditions, if this shipment is to be delivered to the consigner without recourse on the consigner, the consigner shall sign the following statement:
		ct on Delivery Shipments, the letter "COO" must eppear before consignes a name or as otherwise provided OLG Trail Ro. Street		in EDan	City	The carrier shall not make delivery of this shipmens without payment of freight and all other lawful charges.
Destinatio		County PA	State178		Zip	•
Route		Delivery Address*	Cualo			
		DeliveryAddress	governing tartite provide for deliver	ry thereat.)		(Signature of consignor.)
Delivering	Carr	ler Car or And Remit to	Vehicle Initials and No)		C. O. D. Charges to be Paid by Shipper Consignee
		•				If charges are to be prepaid, write or stamp here. To be Prepaid.
No. Packages	H.M.	Street	"Weight (Subject to Correction)	Class or Hale	State Check	
Packages		The state of the s		Of Hate	Column	
1		load water	5000 ชชตต	cal		Received Sto apply
		: #2				in preparent of the charges on the property described hereon.
AFE		51244				Agens or Cashier
<u> </u>		37-115-20149				(The steasure here acknowledges only the amoust prepaid) Charges Advanced:
Truck	5 4	AJOY MIKE				. S
late		Y4R-1776				conform to the specifications set forth is the box maker's centificate thereon, and all other sequirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification.
		etwords now pour by a expire by water, the law requires that the bill of lading shall state whether it is carrier's or shift to dependent on water, hippers are required to state specifically in writing the agreed or declarat whose of the proper is value of the property is heraby specifically stated by the thipper to be not accerding	per's weight. ny.	per		Thisper's inspeint in lieu of stamp; not a pure of bill of lading approved by the Interstate Commerce Commission.
		Shipper, Per				Agent
Permanent p address of s	ost-aff hipper,	chin Spidle (SUNGEN CT-10-	539)	Per		
		· ·				

•		Carbon, and retaine				Shipp	er's No. <u>5.5-725</u>
Carrler's N						Carrie	er's No.
	-	to the classifications and tariffs in effect on the date of	~	•		•	
at	ოდე	CK_TWD(Date) <u>5-2#3-10</u>	FROM_see	3/Cabo	ı ir	
he property day hroughout this or routet, or w ff said route to still of Lading jlapper hereby and the said to	contract contract within the contract set fort certifies errus and	(Date) Date Date Date Date Date	and condition at contents or package of the property under the contract) or er to snother carrier on the route it ill or may of said property, that even the date hereof, if this is a real of the said bill of leding, including respent for himself and his assigns.	es uncomment, marked, construct, a agrees to carry to its wasal glac to end destination. It is manually by service to be performed herein or rail-water shipment, or (2) is those on the back thereof, set	nd destined as shore of delivery at a spread, as to a der shall be subject the applicable materials in the cla	own below, which said destination, i sech captier of all sect to all the term stor carrier classified as said and the said of	said company (the word company being indexented for on its own mitrout, water line, highway route or may of said property over all or any portion a and conditions of the Uniform Domestic Straightlion or tadfo if this is a motor currier flagment which governs the transportation of this shipment
Consigned	TO	Sunbury Genera	tion	or street address for purposes of notif	caton only.)		Subject to Section 7 of conditions, if this shipment is to be definered to the consigner without recourse on the consignor, the consignor shall sign the following statement:
		on Delivery Shipments, the letters "COO" must appear before of					The carrier shall not make delivery of this shipment without payment of freight and all other
Destinatio		Old Trail Pd.		State1		•	lowful charges.
		County	Delivery_ Address*	State	1010	Zip	
		(+1)	o be filled in only when shipper desires an	d governing tariffs provide for deliver	r thereat.)		(Signature of consignor.)
Delivering	Carrie	· ·	Car o	r Vehicle Initials and No	·		C. O. D. Charges to be
Collect on	Deliv	ery \$	And Remit to		:		Paid by ☐ Shipper ☐ Consignee
	StreetCityState						If charges are to be prepaid, write or stomp here, "To be Prepaid."
No. Packages	H.M.	Kind of Package, Description of Articles, Sp	ectal Marks, and Exceptions	"Weight (Subject to Correction)	Class or Rate	Check Gelumn	
4		· load water	•	5000			
				3000	cal		Received \$to apply in purpoyment of the charges on the property described hereon.
•		<u> </u>	· · ·		}	*.	Agent or Cathler
AFE4		51244			1		Per
API#		37-115-20149					(The signature here acknowledges only the amount prepaid.) Charges Advanced:
		105			<u> </u>		\$
Truck	7	103			 		† The fibre containers used for this shipmer conform to the specifications set forth in the bo
<u>ع:ماج</u>		AFTOOIS					maker's certificate thereon, and all other requirement of Rule 41 of the Uniform Preight Classification and Rule 3 of the National Motor Fret Classification.
		were two ports by a defrier by water, the law requires that the bill of dependent on value, shippers are required to state specifically in wr I value of the property is hereby specifically stated by the s		уулс э ж өэ д ги. Эсп.у.	ptr		tShipper's imprist in lies of stamp; not a pa of bill of lading approved by the interstat Communic Communication.
_			Shipper, Per		-		must detach and retain g Order and must sign
Permanent po address of sh	ost-offic tipper,	· Or. Sorvin (con	6=20 CT-10-	540	17		Bill of Lading:
-			,	ച	,		

Shipper's	NaSC-	.72s	
Suppers	MOI-	1 44 17	

Carrier's N	Name	: C. Haar Trucking to the classifications and tariffs in effect on the da	the of the leave of this Rill of ladies			Carrie	r's No.
-				EDOM COS	io/dahai	! -	
the property de throughout this of routes, or of said route 810 of Lading 3hipper heneby and the said to	escribed contract within 1 to destin set for certifies terms un	below. In apparent good order, except as miled (con- ing meaning any person or crapporation in potential is territory of its highway operations, otherwise to callon, and as to each party as any time Interested to the (1) in the Uniform Preight Classification in effec- table is familiar with all the terms and com- tain the in familiar with all the terms and com-	ALG) Jack July Land Land Land Land Land Land Land Land	onges unknown, marked, consigned, in agrees to earny to list usual ple to said destination. It is muncul entry service to be performed hereall or mil-water shapehen, or (2) indig those on the bock thereof, se	and destined as shu ace of debrery at y agreed, as to ea under shall be subjet the applicable mot t forth in the class	wan below, which said destination, is che carrier of all cit to all the berustor carrier classification or sufff	axid company (the word company being understood on list own rallipood, water here highway rouse or any of said property over all or any portion a and conditions of the Uniform Domesic Sungal, those or entill if this is a moter centre subspects, which governs the transportation of this shipment.
Consigned	dТС	Sunbury Generat	ion	all or street address for purposes of not	lfication only.)		Subject to Section 7 of conditions, if this shipment is to be delivered to the consignor without recount on the consignor, the consignor shall sign the following statement:
		t on Delivery Shipments, the letters "COD" must appear bel	•		icin To	m an	The carrier thall not make delivery of this shipment without payment of freight and all other
Destinatio	n	Old Trail Rd.	Street Pユ	State 1	7876	A City	lovitoi charges.
Route		County	Delivery Address A	State		4P	
110010 2223			(*To be filled in only when shipper desire	and governing tariffs provide for delive	ry thereat.)		(Bignature of consignor.)
Delivering	Carri	er	Ca	r or Vehicle Initials and N	0		C. O. D. Charges to be
Collect on	n Deliv	/ery \$	And Remit to				Paid by □ Shipper □ Consignes
		Oten al		0		04-4-	If charges are to be prepaid, write or stamp here, "To be Prepaid."
No. Packages	ни.	StreetStreet	e. Special Marks, and Exceptions	Weight (Subject to Correction)	Class or Rate	State Check Column	,
Factages	-			i (Correction)	O) Hally	CONTINU	
1	İ	load water		5000	gal		Received \$ to apply
		#2					in prepayment of the charges on the property described hereon.
מבמי ל		51244					Agent or Cashier
AFE	· ·	51244					Per The aignature here acknowledges only the arrount prepaid.
API	1	37-115-20149	9				Charges Advanced:
_	١.,	A just MillE					\$
<u> iru</u>	0.53	22104 10000					t "The fibre containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification
	<u>te</u>		hill of lading shall stole whether it is carrier's o	r shloore's torich.			and Rule 5 of the National Motor Freight Classification."
		twoen two ports by a carrier by water, the law requires that the la s dependent on value, shippers are required to state specifically d value of the property is beceby specifically stated by		property.	per		†Shipper's imprint in Her of stamp, not a par of bill of lading approved by the lateralsu. Commerce Commission.
					1		1
			Shipper, Per		 	······································	Agen
Permanent p address of si			SUNLEN CT-	10-545)	Per		·····
			ernau è	$\left\{ \right\}$			

		below. In apparent good order, except as noted (contents and condition of contents of poclarges as noted (contents and condition of contents of poclarges to territory of its highway operations, another the content of the grocerty under the contract) are territory of its highway operations, downwise to deliver to another commer on the touch to the contract of its highway operations, downwise to deliver to another commer on the touch to the contract of the same of the contract of the contrac	strack corress to brilboses of Vo	lification only.)	•	Subject to Section 7 of condutions, if this shipmen is to be delivered to the consigner without recover on the consignor, the consignor shall sign to following Subteneot:
		t on Delivery Skipments, the latters "COD" must appear before consigned's name or as otherwise provided $1\dot{a}$ Trail Ra Sh Street Sh			Citv	The carrier shall not make delivery of treshoment without payment of freight and all othe lawful charges.
		County Delivery Address (*To be filed in only when shipper desires aim	State 17	7876	Zip.	
noule		(*To be filled in only when shipper desires and	governing tantle provide for deliv	ery thereat.)		(Signature of consignor.)
_		erCar or				C. O. D. Charges to be Paid by Shipper Consignee
Conection	Deliv	StreetStreet			State	If charges are to be prepaid, write (strain bere, "To be Prepaid."
No. Packages	н.м.	Kind of Package, Description of Articlas, Special Marks, and Exceptions	"Weight (Subject to Correction)	Class or Rate	Check Column	
1		load water	5000	gal	i	Received \$
		#2				in prepayment of the changes on the proper described berson.
AFZý		51244				Agent or Cashier
APIÄ		37-115-20149				(The signature here acknowledges only the amount prepaid.) Charges Advanced:
Truck		:0 =				
Plate		AF79915				† "The filtre containers used for this shipmen conform to the specifications set forth in the b maker's certificate thereon, and all other requirement of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight
*If the shipment NOTE —Where	moves be the rate is	wege hot ports by a curier by water, the law requires that the bill of leding shall some whether it is carrier's or ship dependence or value, hippers are required to sake specifically in writing the speed of obstance where of the prope of value of the property is kerbely specifically stated by the subject to be not exceeding.	per's weight. rty.	. per		Classification." 1 Shipper's imprise is lieu of stompe not a p of bill of lading approved by the Intersu Commerce Commission.
				<u> </u>		

Shipper's No. 3G-723

Consigned	d TO_ on Collect o	Sunbury Generation n Delivary Shipments, the letters "COD" must appear before consigner's name or as otherwise provided	strest address for purposes of not	Reation only.)	:	Subject to Section 7 of conditions, if this ablance is to be delivered to the consigner without recours on the consignor, the consignor shall sign of collowing statement. The carrier shall not make delivery of thippeness without payment of freight and all oth
Destinatio	on	Old Trail Rd. Street	Spanokin	$n \leq CZ$	City	facility charges.
		County Delivery Address* (*To be filled in only when shipper desires are:	State	17876	Zip	٠.
Route		Address* (*To be filled in only when shipper desires and	governing tariffs provide for delive	ry livereal.)		(Signature of consignor.)
Delivering	Carrie	rCaror	Vehicle initials and No	o		C. O. D. Charges to be Paid by Shipper Consignes
		Street	Citv		State	If charges are to be prepaid, write a stamp here. "To be Prepoid."
No. Packages	н.м.	Kind of Package, Description of Articles, Special Marks, and Exceptions	"Weight (Subject to Correction)	Class or Rate	Check Column	
1		load water	6300	agī		Received \$
		#2				Received \$ to app in prepayment of the charges on the proper described hereon.
TE#		51224				Agent or Coshler
		37-115-20149				Per (The signature here schoowledges only the smoont prepaid.) Charges Advanced:
		TR 625				5
te:		AF- 57940				conform to the specifications set forth in the himaker's certificate thereon, and all other requirement Rule 41 of the Uniform Freight Classification of Rule 5 of the National Motor Freight Classification.
		een two ports by a center by water, the line requires that the bill of leding shall seate whether it is center's or able beenders on value, hillpers are required to state specifically is writing the agreed or declared value of the prop- radium of tha propuerty to hereby specifically stated by the shipper to be not exceeding	pper's weight. nty.	per		Classification." †Shipper's imprint in illed of stampt not a p of bill of lading approved by the Interest Commerce Commission.
		Shipper, Per		R	endy A	ensel Age
Permanento	nost-Affina			}	0	

Shipper's No.	<u>.\$G-729 </u>
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Carrier's 1	Vame:	US Fnvironmental			···	Carrie	r's No. Bal 4 /305/6
		o the classifications and tariffs in effect on the date					
at Dli the property de throughout this or routes, or of sald route Bill of Loding Shipper hereby and the said	ECC escribed contract within the destinate set for certifies and certifi	below. In apparent pood order, except as noted tooner as restaling any person or corporation in possessive tearings of its highway openious, observates to denien, and so to each pury as my time interested in a contract of the contract of	to) 5-21-10 sus and condition of centerus of packing of the property under the control there to sholder carrier on the roste all or any of said purpers; that eve on the date hereof. If this is a rail as of the said bill of lading, including accepted for himself and his easigns.	FROM S: per unknown), markerd, consigned, agrees to carry to its usual pt to sald destination. It is motually to sald destination. It is motually to really destination, or (2) in or mal-water shipprent, or (2) in g those on the back thereof, see	and destaned as sho ace of delivery at y agreed, as to ea- inder shall be subject to the applicable mon at forth in the class	wa below, which said destination, it is carrier of all the terms or earlier classification or terriff	maid company (the word company being tasterstance on its own railroot, water line, highway source is and conditions of the Uniform Domesale Scraight to so turiff if this is a more carrier subjects, which governs the izawportation of this thipment,
		Sunbury Generation on Delivery Shipments, the letters "COD" must appear below	tews:	or street accress for purposes of not	dication only.)		Subject to Section 7 of conditions. If this shipment is to be delivered to the consigner without recourse on the consignor shall sign the
					- >	·	following statement: The carrier shall not make delivery of this shipment without payment of freight and all other
Destinatio	n <u>. Ն</u>	lā Trail Rā.	Street	Shamoki		Cîty	haviul charges.
D4-		County	Delivery _	State 1 / 8	5/5	Zlp	
House		(1		nd governing tariffs provide for delive	vy thereat.)		(Signature of consignor.)
Delivering	Carrie	9r	Card	or Vehicle initials and N	0		C. O. D. Charges to be
Collect on	Deliv	ery \$	And Remit to				Paid by □ Shipper □ Consignee
		•				State	If charges are to be prepaid write or stamp here. To be Prepaid.
No. Peckeges	H.M.	KInd of Package, Description of Articles,		"Weight (Subject to Correction)	Class or Rate	Check Column	
1		load water		5300	gal		Received \$to apply in prepayment of the charges on the property
		§ 2	· · · · · · · · · · · · · · · · · · ·		<u> </u>		described hereon.
afe#		5124 <u>4</u>					Agent or Cachier
_APT:		37-115-20149					The signature here acknowledges only the amount prepoid.) Charges Advanced:
Truc	34	TR 625					t The fibre containers used for this shipmens conform to the specifications set forth in the box
21at		AF. 57940					conform to the specifications set forth in the bon maker's certificate thereon, and all other sequirement of Rule 31 of the Uniform Preight Classification and Rule 5 of the National Motor Freight Classification."
*If the shipment NOTE Where	moves bet the rate is	were two ports by a currier by water, the law requires that the ball dependent on value, shippers are required to state specifically la- value of the property is boreby specifically stated by the		hipper's weight. operty.	D+F		Classification." 15/hipper's imprint in tieu of stamp; not n pe, of bill of leding approved by the interstate Commerce Commission.
			Shipper, Per		Rang	f Hen	ace Agen
Permanent p address of st	ost-offic hipper,				Per		
			i	1			

DIM0227454 DIM0228668

Shippers No. <u>SG-730</u> USE# 109434

	: US Environmental				Carrie	r's No.
	to the classifications and tariffs in effect on the date	-				
Dinoc the property described throughout this contract or routes, or within to	Date below, In apparent good order, except as noted (contant as meaning any person or corporation in postession to the service of its highway operations, adversate to delice, and as to except party at any time interested in the service of a service of a service of the service	b) 5-24-10 st and condition of contents of profession to another carrier on the property under the contribute to another carrier on the profession to the p	FROM ST actores entrown). marked consigned, acts agrees to carry to its usual pl use to said destination. It is mutually use to said destination.	and destined as shace of delivery at y agreed. as to exhibit	own below, which said destination, if ich carrier of all	said compony (the word company being orderstood or any of said property over all or any portion
Bill of Lading set for Shipper hereby certifies and the said terms an	th [1] in the Uniform Freight Classification in effect that he is familiar with all the terms and condition d conditions are hereby agreed to by the shipper and	on the date beyond, if this is a re of the said bill of lading for accepted for himself and his acti-	rail or rail-water shipment, or (2) in lading those on the back thereof, se na.	the applicable mo	tor carrier classifica usification or taciff	tion or turiff if this is a motor cerrier shipmen which poverns the transportation of this shipmen
	Sunbury Genration on Dethery Shipments, the letters 'COO' stust appear before		Max or street address for purposes of not	affication only.)		Subject to Section 7 of conditions, if this chipmen is to be delivered to the consigner without recommend the consigner shall sign if
On Collect	on Delivery Shipments, the letters "COO" thust appear before Old Trail Rd.	e consignee's name or as otherwise pr	owlded In Nem 430, Sec. 1. Shamokin T	lan.	0	following statement: The carrier shall not make delivery of the shipment without payment of freight and all othe lawful charges.
Destination	County	Street	State1787	16	City	Izalii cus se-
Route	County	Delivery Address To be (Med in only when shipper deal	res and governing tariffs provide for delive	ny thereat.)	· · · · · · · · · · · · · · · · · · ·	(Signature of consignor.)
	er					C. O. D. Charges to be
	ery \$					Pald by □ Shipper □ Consignee
	Street		City		State	If charges are to be prepaid write of stamp here, "To be Prepaid."
No. Packages H.M.	Kind of Package, Description of Articles,	Special Marks, and Exceptions	"Weight (Subject to Correction)	Cirss or Rate	Check Column	
1	load watar		6300	gal		Serviced 3 to another
	#2					Received \$
2 == 1	· · · · · · · · · · · · · · · · · · ·	·		T		Agent or Cashler
AFE#	51244					(The signature here acknowledges only the amount prepaid)
APIS	<u>37-115-20149</u>					Charges Advanced:
Truck	613					† The fibre containers used for this shipme
later	AF 60829					conform to the specifications set forth in the bi- mailter's certificate thereon, and all other requirements of Rule 41 of the Uniform Preight Classificato and Rule 5 of the National Motor Freig
VOIS -Where the Late in	tween two posts by a currier by water, the law requires that the bill dependent on value, shippers are required to state specifically in I walks of the property is hereby specifically stated by the	writing the agreed or declared value of the	s or shipper's weight. be property.	ber		Classification." (Shipper's imprint in lieu of stamp: not a prof bill of lading approved by the leaens: Commerce Commission.
agree or seeme	s man or the property in merchy openionally and the con-			Sum	meel	The Slig & Ages
Permanent post-offi address of shipper,	ce			Per		

	hipper's No. SG-/31
	BL-月1306川
_	JOK 19130611
	arriers No.
+	

Carrier's N	vame:	US Environmental				Caffie	Fand Process
RECEIVED, 5	ubject 1	to the classifications and tariffs in effect on the da					-
at Dia	noc.	k Twp. (Da	te) 5-24-10	FROM	SRWR/c	abot	
the property de throughout this or routes, or of said roste is Bill of Lading Shipper bereby and the said to	excribed coptract within the destinate for certifies error are	Delow, in apparent good order, except as good (couts as meaning any person or exponsion in possession to territory of its highway operations, otherwise to callon, and as to each party at any time interested in (1) to the Uniform Prejair Chastification in effect that he is familiar with all the server and consistent of the conditions are kernly speed to by the hipper and	psi and condition of contents of packages a of the property under the contract) as cliver to another carrier to the route to a till or any of said property, that every on the date hernor, if this is a rail or ms of the said bill of lading, including accepted for Merself and his accipant.	onknown), marked, consigned, grees to carry to its usual pl soid destination. It is mutall service to be performed here, r rail-water shipment, or (2) is those on the back thereof, se	and destined as shape of delivery at y agreed, as to e- under shall be subject the applicable most forth in the class	said destination. If said destination. If sch carrier of all ca to all the terms for carrier classifica- tification or pariff	mid company the word company being understood on its own rullwood water line. highway mute or any of said property ower all or any portion in and conditions of the Uniform Domestic Straight line or cartif if this is a matter earnier shipment, which gorems the transportation of this shipment.
Consigned	TO	Sunbury EMENKGe	meration (Mala	streat address for purposes of not	ification only.}		Subject to Section 7 of conditions, if this shipment is to be delivered to the consigner without recourse on the consigner, the consigner shall sign the following statement:
Destination	ი	on Delivery Shipments, the letters "COD" must appear belo Old Trail Rd.	Street	Shamoki		City	The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.
Doube		County	₽∄ Delivery_	State173	76	Zip	
House		(*To be filled in only when shipper desires and	governing tariffs provide for delive	ry (hereal.)		(Signature of consignor.)
Delivering	Carri	ery \$	Car or	Vehicle Initials and N	0		C. O. D. Charges to be Paid by Shipper Consignee
		Street		Citv		State	If charges are to be prepaid, write or stamp here, "To be Prepaid."
No. Packages	H.M.	Kind of Package, Description of Articles		"Weight (Subject to Correction)	Class or Rate	Check Column	
. 1.		load water		23,20	gal		Received \$ to apply
		#2					in prepayment of the charges on the property described hereon.
AFZ#		51244					Agent or Cashier
APIS		37-115-20149					Per (The signature here adknowledges only the around arceald.) Charges Advanced:
	<u>, </u>	[2 [\$
Truc		PARICIA					t "The fibre containers used for this shipment conform to the specifications set forth to the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Frei Classification.
		tween two ports by a carrier by water, the law requires that the bidependent on value, shippers are required to state specifically in		per's weight.	-l	<u> </u>	and Rule 3 of the National Motor Frei Classification." 15 Supper's impent in lieu of starte; not a go. of hill of lading opproved by the interstance Commerce Commission.
the agreed of	046107 00	is abuse of the property is hereby specifically stated by the	_ Shipper, Per		R	me	J-E. Agen
Permanent p	ost-offic		- Outpost to		Per) — Agen

		ENC. Haer Frucking sclassifications and tariffs in effect on the date of the issue of this Bill of lading.			Carrie	r's No.
	•		==0 cp:	70 /a- b-	. 4.	
property d throughout this or routes, or of said route Bills of Lading Shipper hereby and the said	Linocis. contract as within the text to distinuition, g set forth fit effectives that terms and con	(Date) 5-24-10 In apparent good order, except as noted (contents and condition of contents of packages measuring any person or corporation in possession of the property under the contract) agriftency of its highway operation in possession of the property under the contract) agriftency of its highway operations on the route to deliver to another carrier on the route under as to exact party at may time interested in all or any of raid property, that every line to the contract of the contract of the second of the sec	miknowni marked consigned a cess to carry to its usual plate said dectination. It is mustually service to be performed hereun rail-water shipmont, or (2) in those on the back thereof, ser	nd destined as sho to of delivery at agreed, as to ender thall be subje- the applicable most forth in the class	was below, which said destination, it can confer of all ct to all the terms or carrier classification or tariff	taild company (the word company being understood to all the substitutions of the being understood to all the being understood to all the being understood to all the being understood to all the being understood to all the being understood to all the being understood to all the being understood to all the being understood to the being underst
Consigne	σТь	Sunbury Generation (Malor	treet address for purposes of notifi	cation only.)		Subject to Section 7 of conditions, if this shipment is to be delivered to the consignor without recourse on the consignor, the consignor shall sign the following statement:
Destinatio	on	etrery Shipments, the letters"000" must appear before consigned's name or as otherwise provided to Old Trail Rd. Street	Shai	mokin P	OAm_City	The corner shall not make delivery of this stipment without payment of freight and all other braful charges.
Route		County Delivery Address (4To be filled in only when shipper desires and;	State178	76	Zip	
		(+To be filled in only when shipper desires and	governing taxiffs provide for deliver	thereat)		(Signature of consignor.)
_	=	\$And Remit to				C. O. D. Charges to be Pald by Shipper Consignee
-	, 	Street				If charges are to be prepaid, write or stamp here. To be Prepaid."
No. Packages	н.м.	Kind of Peckage, Description of Articles, Special Marks, and Exceptions	Weight (Subject to Correction)	Class or Rate	Check Column	
1_		load water	5000	gal		Received 3 to apply in prepayment of the charges on the property described hereon.
		<u>#2</u>			···	Agent or Crabbby
AFE# API#		51244 37-115-20149	 			Per (The signature here acknowledges only the amount prepaid.) Charges Advanced:
Inuck	4	104 Mike				† "The fibre containers used for this shipmen
\te	<u> </u>	148-17%		·		conform to the specifications set forth in the box maken's cestificate thereon, and all other sequirement of Role 41 at the Uniform Freight Classification and Rule 3 of the National Motor Freight Classification."
··· ·· Where	the tate is depen	two form by a carrier by water, the law requires that the bill of holing shall sate whether it is entire's on ships, ideal on value, shippers are required to state specifically in writing the agreed or doctated value of the proper as of the property is hereby apacifically stated by the shipper to be not exceeding.	y.	Çer		†Shipper's improx to lieu of stamp; not a por of his of lacing approved by the Internat Commerce Commission.
		Shipper, Per		_		Agen
Permanent address of s	post-office hipper,	Chies Spieller (Son Gen CT-10-55	<u>6</u>	Per		
		ر ا	1			

11110 011	11. 1 11	AC ÓLIDELL	riusi be legioly qued ki, a Carbon, and ref	ance, in incesore rendi, or in alned by the Agent.	**. * * * * * *		Shippe	er's No. <u>33-733</u>
Carrier's N	lama [,]	С нае	r Tmacking		The season of		<i>.</i>	r's No.
				te of the issue of this Bill of lading.	· · · · · · · · · · · · · · · · · · ·	tone freezewane .	-1 Carne	15 NO.
•	•••		•		COOM 35	·# /		
at Ull	mibed bet	CT WO.	order, except as noted (com	cated to mention for multipliers has the	FROM 33	IR/cao	OC rwn below, which s	isid company (the word company being understoo
throughout this or routes, or we of said route to Bill of Lading Shipper hereby	contract of vithin the or destinact set forth certifies (is meaning any person termory of its high- on, need as to each (1) in the Uniform hat he is familiar w	with or corporation in possessi- way operations, otherwise to party or any time interested Freight Classification in effec- ith all the terms and conditi-	on of the property under the contract deliver to another carrier on the roots in all or any of said property that ev- on the date hereof, if thus is a call one of the said bill of lading, including	agrees to carry to its usual pla to said destination. It is mutually ary service to be performed betturn or mill-water chipment, or (2) in ug those on the back thereof, set	et of delivery at ogreed, as to et derishall be subje the applicable mo forth to the clas	said destination, if the curter of all c et to all the terms for corner classificat allication or tariff	aid conquery the word company being succession of the control of t
Consigned	TO.	Sunbur	y Generati	On	or street address for purposes of noti	leation only.)		Subject to Section 7 of conditions, if this shipmer is to be delivered to the consigner without recount on the consignor, the consignor shall sign to following extrement:
` Or	Collect of	1 Delivery Shipments, th	e letters "COD" must appear bef	ore consignae's name or as otherwise provid		, . - D		The envier shall not make delivery of the shipment without payment of freight and all oth
-Destinatio	n	ORG TR	ail Rd.	Street			City	kewful charges.
			County	. 22 %	State <u>1787</u>	6	Zip	٤
Route				Delivery Address*	· · · · · · · · · · · · · · · · · · ·	-		(Signature of consignor.)
				(*To be filled in only when shipper dealies a			. I	
Delivering	Carrle			Car	or Vehicle Initials and No) '3+-		C. O. D. Charges to be
Collect on-	Delive	n/\$		And Remit to				☐ Shipper ☐ Consignee
00001.0		.,	. ,					If charges are to be prepaid, write surep here, "To be Prepaid."
			Street		City	· · · · · · · · · · · · · · · · · · ·	State	stamp here, "To be Prepaid."
No. Packages	H.M.	, Kinde	t Package, Description of Article	s, Special Marks, and Exceptions	"Weight (Subject to Correction)	Class or Rate	Check Column	
1		lá	ed water		5000	gal		Received 5 to app
į.				,	and the second		<u>L.</u> F-	In prepayment of the charges on the proper described become
M44.5	- 19- 6-		7 4			alms 4.5		Agent or Cishler
医甲酰基	.	51	244 /		مشدرده سدی:			·
			<u> </u>				,	(The algorithm here acknowledges only the amount prepaid.)
3274		37	7-115-2014			ļ - <u> </u>		Charges Advanced:
Truc	اید	100						
<u></u>		70,3			· · · · · · · · · · · · · · · · · · ·			† "The fibre containers used for this shipm conform to the specifications set forth in the I maker's certificate thereon, and all other sequireme
e i e e	ا يا	AF 172A	سسي ا				,	of Rule 41 of the Uniform Preight Classification and Rule 5 of the National Motor Prei
If the shipment is NOTE —Where is	noves between the rate is de	pendeni on value, shippe	es one required to state specifically	til of lading shall state whether it is carrier's or s in writing the agreed or declared value of the pro-	hipper's weight. Sporty.	mar julya		Classification. †Shipper's imprint in lieu of stamp; not a j of bill of lading approved by the laters Commerce Commission.
The agreen or e	eciared v	alue of the property is	sereny specifically surred by	the shipper to be not exceeding	- - 707	1 ······	137	L
	- i	,	<u> </u>	Shipper, Per		شيسر	Agent i	must detach and retain
Permanent po address of sh	ost-office ipper,	Fuin S	ENMUN /	116EN 17-10	.551)	1. D	the Original	Bill of Lading.
		•	. = - =		\bigcirc			
					74		 -	

		Figure Truncking (Coate (Coa	of the Issue of this Bill of lading, a and condition of centers of pocking of the property sader, the contract of the property sader, the contract of the property sader, the contract of the property sader of the propert	FRO oges unknown), murke agrees to carry to praid desilication, very service to be pl or call-water stopm ing these on the be	M SRi d. consigned. it is musual pla te musually serformed bereu ent, or (2) to tek thereof, set	and destined as shace of delivery at y agreed, as to ender shall be subjusted to the subjusted of the subjusted applicable to the subjusted and the subjuste	oven below, which said destination, is said destination, is said carrier of all oct to all the term stor canier classification or taniff	taid company tithe ward company being auderstood on its own railroad, water line, highey couts on any of said poopersy over all or any parlies or any of said poopersy over all or any parlies of the company of the country of the cou
Consigned T		inbury Generati	. (****	a or street address for	purposes of not	ification only.)		is to be delivered to the consigner without recourse on the consigner, the consigner without recourse
On Co	electon Delivery S	Shipments, the letters "COD" must appear before				in 3 m	, Sec. 1	following statement: The exercise shall not make delivery of this shipment without payment of freight and all other
-Destination.		Trail Rd.		State			City	lawful aberges.
Boute		County	Delivery Address *	Siale		10.1.	Zip	
		. (*	To be filled in only when shipper desires	and governing lartits p	rovide for delive	ry thereal.)		(Signature of consignor.)
Delivering Ca	ırrier			or Vehicle Initi				C. O. D. Charges to be
Collect on De	alivery\$		And Remit to_					☐ Shipper ☐ Consignee
		Street			Citv		State	If charges are to be prepaid, write or starup here. "To be Prepaid."
No. Packages H.	м.	Kind of Package, Description of Articles, S	peciful Marks, and Exceptions	"Weig	ht (Subject orraction)	Class or Reta	Check Column	
1		laod water	# 1	- - 5:	000	gal		Received S to opphy
· ` `		ii a	* /					described hereon.
슬 구역 글		51244	4					Agent or Cashier
F LC?		37-115-20149	·					(The signature here acknowledges only the amount prepaid.) Charges Advanced:
- rangir	105		•	,		}	-	\$
o+c;	AF	7225						conform to the specifications set forch in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform, Fright Classification and Rule 54 of the National Motor Freight Classification."
		s by a carrier by water, the faw requires that the bill value, shippers are required to state specifically in v property is heraby specifically stated by the		shipper's weight.		· · · · · · · · · · · · · · · · · · ·	, 2,	Classification. TShipper's inverint in here of name; are a part of bill of lading approved by the Jaterstate Commerce Commission.
Permanent post-		70 07.1	Shipper, Per				this Shipping	must detach and retain g Order and-must sign Bill of Jading.

		C. Haer Trucking to the classifications and tariffs to effect on the date o	the issue of this Bill of lading,			Carrie	r's No.
the property de duroughout this or roates, or of said route Bill of Lading Shipper kereby and the said	escribed contract within to to destrict set for certifies terms an	bellow. In apparent good order, except as mated (codenors as meaning any person or corporation in prosession of the stration of 1st highway opendons, orderwise to delibe totalon, and as to each party at any firm interested in all the 1st hunform freeze Casaffection in effect on the conditions are harden greed to by the shipper and a conditions are harden greed to by the shipper and	and condition of contents of porks, the contents of the conten	FROM Services anknown, marked, consigned, statement of the consigned of the consistency of the consisten	med destined as the class of delivery at lips opposed, as to c under shall be subjust the class of the class	own below, which said destination, is ach cancer of all the term over exerce classification or tariff	spld corpusy the word company being undermood to an an own rational, water line, highway route or any of sale property over all or any personal property over all or any personal such as the conditions of the Uniform Domestic Streight tools or talful! if the us a most crarier shipmen, which governs the transpondition of this shipmen.
Consioned	4TO	Sunbury Generat	in.	a or street accress for burposes or no	nification only.}		Subject to Section 7 of conditions, if this shipment is to be delivered to the consignor without recourse on the consignor, the consignor shall sign the following statement:
		Old Trail Rd.			nsC 1	City	The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.
		County	PA	State1787	'6	Zip	
Route		County(**To	Address				(Signature of consignor,)
Daliverina	Corri						C. O. D. Charges to be
_	Delivering Carrier Car or Vehicle Initials and No And Remit to						Paid by Shipper Consignee
				•		State	If charges are to be prepaid write or stamp here. "To be Prepaid."
No. Packages	нм.	Kind of Package, Description of Articles, Spa	icial Marks, and Exceptions	"Weight (Subject to Corraction)	Class or Rate	Check Column	
1		load water		5000	gal		Received Sto apply
							in prepayment of the charges on the property described hereon.
AFE?		51244					Agent or Cashler
API#		37-115-20149					(The signature here acknowledges only the amount prepard) Charges Advanced:
Truc'	.,	\$ 104 Mile					\$
Plara		1/1/1-1776					t The fibre containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification
*If the shipment NOTE —Where	moves bet the rate is	ween two ports by a carrier by water, the law requires that the bill of i dependent on value, shippers we required to state specifically in writ		hipper's weight. operty.		<u> </u>	and Rule 5 of the Notional Motor Freight Classification . Shipper's imposal in lieu of stampe not a part of bill of lading approved by the Interstale Commerce Commission.
The agreed or	declared	value of the property is hereby specifically stated by the sh			PHT		
Permanent p	ost-offic		T-/0-555		Do.		Agent Agent
address of si	upper,	22 000 c	. 70.330	1	Per		

Shipper's No. SG-736

rrier's					Carrie	ors No. 130517
		o the classifications and tariffs in effect on the date of the Issue of this Bill of ladir				
at_DI	noc.	k Twp. (Date) 5/25/10	FROM_	SRWR/Cabo	<u>t</u>	
the property distributions this or routes, or of said route Bill of Lading Shipper hereby and the said	escribed contract within the to destine set for centifies terms are	(Cate) 5/25/10 selow. In apparent good order, except as noted (contents and condition of contents of as meaning any person or conjunction in possession of the property wheler the core lettings of list highway operations, observate to deliver to another carrier on the talean, and as to each party of any time interested in all or may of said property, if the continuous method in the same of the continuous method in the same and conditions of the said till of ledging it controlled in the hereby speech to by the shippy and acceptator for himself and his sai	packages unknown), marked, constitution intention acres to carry to its us mude to said destination. It is not every service to be performed a rail or rail-water shipment, or not destinated in the back there signs.	gned, and destined as should place of delivery at musually agreed, as to estable the subject of	was below, which said destination. I cardet of all cit to all the terms or currier classification or tanif	said company (the word company being understood if on its own militond, water line, highway route or any of said property over all or any portion of and conditions of the Uniform Domestic Straight union ar tariff if this is a motor carrier shipment, which governs the transportation of this adigment.
Consigne	σТъ	Sunbury GeneraTION on Delivery Shipmonts, the lotters "COD" must appear belone consigned's name or as otherwise	(Mail of street address for purpose	s of notification only.)		Subject to Section 7 of conditions, if this shipment is to be delivered to the consigner without recourse on the consignor, the consignor shall sign the following statement:
		La Trail Rd. Street S:			City	The carrier shall not make delivery of this shipmens without payment of freight and all other lawful charges.
		A	Diete	17875	Zip	
Houte		Delivery Address (*To be filled in only when shipper de	<u> </u>		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	
						(Signature of consignor.)
Delivering	Carri	er(Car or Vehicle Initials ar	nd No		C. O. D. Charges to be Paid by
Collect on	Deliv	ery \$ And Remit t	to			☐ Shipper ☐ Consignee
		<u>.</u>	5 11			If charges are to be prepaid, write of
No.	Ī I	Street	*Weight (Subje	ct Class	State Check	samp said, to so recyang,
Packages	H.M.	Kind of Package, Description of Articles, Special Marka, and Exceptions	to Correction	or Rate	Column	
1		load water	6300	gal		Received \$to apply
		** #2	ļ			in prepayment of the charges on the property described hereon.
	Ħ					Agent or Cashier
ATE	ا	51244				Per
API;	;	37-115-20149				the amount prepaid.) Charges Advanced:
Tru	ck#	TR 625				t The fibre containers used for this shipment
'La		AF- 57940				conform to the specifications set forth in the box mater's certificate thereon, and all other regalarments of Rule 41 of the Uniform Fright Classification and Rule 5 of the National Motor Freight Classification.
NOTE -Where	reaves bet the rate is	avers two ports by a carrier by water, the faw requires that the bill of fading shall state whether it is carried dependent on value, shappers are required to state specifically in writing the agreed or declared value of	r s or shipper's weight.		**, *,	Classification.* †Shipper's imprint in lieu of stamp: not a part of bill of lading approved by the Interstate
The agreed or	declared	value of the property is hereby specifically stated by the shipper to be not acceeding		per	··· ,	Commerce Commission.
		Shipper, Per		Ra	ndy H.	ensil Agent
Permanent p	ost-offic	4		Per	(/	
			<i>ک</i> ا			

Shipper's No. SG-333 737 US E BOIH 109434

'ardar'a l	Marse.	US Environmental			α ₀ .	
		the classifications and tariffs in effect on the date of the issue of this Bill of lading,			Carrie	er's No.5 in b cors the
			EDOM	epus /e-	.	
.t	escribed M	(Date) 5/25/10 thow, in apparent good order, except as noted (contents and condition of contents of pockages as meaning any person or composation in possession of the property under the contents as meaning any person or composation in possession of the property under the contents as mentiony of its highway operations, where the old-liver to another center on the content to the content of the	PHOM	DKWK/Ca.	DOE	said company the word company being understra
roughout this	contract within the	as meaning any person or conporation to possession of the property under the controll ag- territory of its highway operations, otherwise to deliver to another earrier on the course to	rees to curry to its usual said destination. It is mut	place of delivery at	said destination, i	or any of said properly over all or any portion
f said course ill of Lading	to destinati set forth	ion, and as to each party at any time interested in all or any of said property. that every (1) is the Uniform Freight Classification in effect on the date beroof. If this is a rull or that he is forming with all the same and conditions of the said bill of light including	service to be parlormed he rall-water shipment, or (2)	ternder shall be subjected to the applicable mo	of confer classifications	is and conditions of the Uniform Domestic Straig uton or tariff if this is a motor carrier ablame which assume the transportation of this skinger
nd the said	terms and	conditions are hereby agreed to by the shipper and accepted for himself and his assigns,	street address for purposes of	At the second		The grant of the g
Sanalana	٠T	Sunbury Generation (Maior	street accress for purposes or i	nonication only.)	i	Subject to Section 7 of conditions, if this shipm is to be delivered to the consigner without recom- on the consigner, the consigner shall sign
Ousigne	On Codect of	in Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided i	n item 430, Sec. 1,			following statement: The extract shall not make delivery of t shipment without payment of freight and all of
Destinatio	<u>იე1ძ</u>	Trail RC. Street Shamol	cin Dam		City	shipment without gayment of freight and all of lawfol charges.
		, pg	0 179	76	Zip.	{
Pouto		County Delivery Address Address (**To be filed in only when a tripper destines and				1
NOULB		(±Yo be filted in only when shipper deshree and	governing tentls provide for del	lvery (herest.)		(Signature of consignor.)
Delivering	Carrie	rCaror	Vehicle initials and I	No		C. O. D. Charges to be
_						Peld by
Collect on	Delive	ry \$And Remit to				☐ Shipper ☐ Consignee
		Street	City _		State	If charges are to be prepaid, write stamp here. "To be Prepaid."
No.	T T		"Weight (Subject	Class	Check	i
Packages	H.M.	Mind of Packago, Description of Articles, Special Marks, and Exceptions	to Comectica)	or Bate	Column	
_		, ,		- { _ }		ļ
1	 -	lcad water	5 0 00	gal		Received \$to ap
		11.4	1			described hereus.
	-	<u> </u>				
47	1 g	51244	1	} }		Agent or Cashier
		J1632				Per (The signature here actnowingles only
AP:	1.	. 37-115-20149	ł	{ }		the amount prepaid; Charges Advanced:
	+#-+	. 37-119-20149 .				Chages Havinger
. 0355	ucid#	1018	}	1 1	•	s
	10.5	0.0				† "The fibre containers used for this shipter conform to the specifications set forth in the
or	ate:	: AF 1.8829	- (- } - 1		maker's certificate thereon, and all other requirement Rule 41 of the Uniform Freight Classificated Rule 5 of the National Motor Free Classification."
		een two ports by a currier by orater, the law accultes that the bill of lading shall state whether it is earter's or shipp appendent on value, shippers are required to state specifically in unting the appeal or declared value of the propert	n's weight.			and Knie > or the Aditional Motor Free Classification." †Shipper's imprint is lieu of starne; not a c
		ependent on value, shippers are required to state specifically in a ming the agreed or declared value of the propert nive of the property is hereby specifically stated by the shipper to be not exceeding	у			of bill of lating approved by the laters.
) AF IND SECT OF	ucciai cu 1	inde of the property is needed specimens, and the of the supplet to be the exceeding		per		62 6 1
		Shipper, Per		16	()	L Glussys Age
		Onlyper, I el		7	<u> </u>	777777
Permanent p address of si	iost-office niccer.			Per		•
			1			
		آ	·			
			_			

'RAIGHT BILL OF LADING-SHORT FORM

ORIGINAL - NOT NEGOTIABLE

as.	lame:	US Environmental				15 M130604
		o the classifications and tariffs in effect on the date of the Issue of this Bill of lading,			- Julio	
. Dimo	ock	Twp. (Date) 5/25/10	FBOM s	RWR/Cal	hat	
property de oughout this rootes, or said roote B of Lading ipper hereby d the said b	contract contract within the to destine set forth certifies erres and	(Date) 5/25/10 relow, in apparent good order, except as noted frontents and candidion of contents of pochages as meaning any person or corporation in possession of the property under the contents of service or its alghrway commissue, otherwise to deliver to another current on the roots stone show, and as to each party at any time interested in all or any of said property, that every than the late another current on the roots that he is familiar to the said bill or familiar with all the terms and conditions of the said bill or falling, including all conditions are bereby agreed to by the shipper and accepted for himself and his assigns	minown), marked, consigned, a rs to carry to its usual pin fald destination. It is mutually service to be performed hereun tail-water shipment, or (2) in 1056 on the back thereof, set	nd destined as above of delivery at a spreed, as to ender shall be subject the applicable me forth in the class	we below, which is said destination. If the carries of all of the terms of all of the terms of artification or mill	sold corpany (the word company being understood or nix own millioned, water line, highway route or niy of said property over all or say portion is and conditions of the Uniform Domeste Straght then or barif if this is a notic currier shipment, which governs the waterportation of this shipment.
:onsigner	TO	(Mexicoret EXHANKE SUnbury Ceneration on Delivery Shipments, the letters "DOD" must appear before consigned is name to as otherwise provided in:	rees appress for purposes of notif	cation only.)		Subject to Section 7 of conditions, if this shipment is to be delivered to the consigner without recourse on the consignor shall sign the following statement:
		Old Trail Rd. Street Shamo	kin Dam		City	The exercise shall not make delivery of this shipment without payment of freight and all other lawful charges.
		County PA	_State17	<u> 375</u>	Zip	
Poute		Delivery Address * (*To be filled in only when shipper desires and g	everning tartifs provide for deliver	y thareat.)		(Signature of consignor.)
		erCaror\				C. O. D. Charges to be
•		ery \$And Remit to				Pad by ☐ Shipper ☐ Consignee
		Street	Citv		State	If charges are to be prepaid write or stamp here. To be Prepaid.
No. Packages	н,м.	Kind of Packaga, Description of Arroles, Special Marks, and Exceptions	"Weight (Subject to Correction)	Class or Rate	Check Column	
1		load water	2300 2300	gal		Received 5to apply
		22 Insidue 24				in prepayment of the charges on the property described hereon.
$\lambda \mathcal{E} \mathcal{E}_i$		51244				Apont or Catalor
API;		37-115-20149				Per (The signance here acknowledges only the amount prepaid.) Charges Advanced:
<u>En</u>	k#	626				f "The fiber containers used for this shipment conform to the specifications set forth in the box
PLai		P+8281H				maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification
		wen two goes by a curie by water, the law requires that the full of lading thall state whether it is carrier's or talkpy dependent on visite, shippers are required to sate specifically in writing the agreed ordered value of the property waltur of the property is haveby specifically stated by the shipper to be not exceeding	r's weight.			†Shipper's imprint in lieu of stamp; not a part of bill of lading approved by the interstate Commerce Commission.
· · · · · · · · · · · · · · · · · · ·		Shipper, Per		Ka	ned	£Ageni
Permanent p address of st				Per	\bigcirc	
		1				

CABOT-EPA 007444

Shipper's No. SG-733

Shipper's No.SG~739

Carrier's	Name:	US Environmen	tal			Carrie	er's No. BOL 7/305/8
		the classifications and tariffs in effect on the date of					
at Di	.mock	C TWP. (Date	5/25/10	FROM_	SRWR/Cal	oot	
the property of throughout this or routes, or of said route Bill of Lading Shipper bereby and the said	lescribed bel s contract : within the to destinati g set forth r certifies t terms and	tow, In apparent good order, except as noted (resistants as meaning any person or corporation in passession, returney of its highway operations, otherwise to delive, on, and as to each party at any time locerated in (1) in the Uniform Frieght Classification as effect or has be its familiar with all the terms and conditions are bereby agreed to by the shipper and a	and condition of contents of pockas of the property under the contracts or to assoling carrier on the route all or any of said property, that et- the dote hereof, if this is a rail of the said bill of lading, includ- recepted for himself and his assigns.	ages weknown, marked consign agrees to carry to its osual to said destination, it is my very service to be performed it it or rail-water shipment, or (2) ing those on the back thereof	ed, and destined as a place of delivery a traility agreed, as to be sent of the applicable of set forth in the ci-	hown below, which it said destination, it each carrier of all spect to all the term cotor, corrier classifica- lassification or suriff	said coupany (the word company being understood if on its own rathroad water line. highway route or any of said property over all or any portion so and coolitions of the Uniform Domestic Straight stone or said if this is a motor carrier alignment, which governs the transpostation of this shipment.
Consigne	dTO_	Sunbury Generatio	n	I or steet address for purposes o	notification only.)		Subject to Section 7 of conditions, if this shipment is to be delivered to the consigner without recourse on the consignor, the consignor shall sign the following matement:
		Lā Trail Rā.	•			City	The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.
		County		VIGIO	<u> </u>	Zip	[
Route		(★1	Delivery Address Address	and governing tariffs provide for d	elivery (hereal.)		(Signature of consignor)
							C. O. D. Charges to be
Collect or	n Delive	ry \$	And Remit to _				☐ Shipper ☐ Consignee
		Street		City		State	If charges are to be prepaid, write or stamp here, "To be Prepaid."
No. Packages	H.M.	Kind of Package, Description of Articles, Sp	ecial Marks, and Exceptions	*Weight (Subject to Correction)	Class or Rate	Check Column	
1		loac water		6300	cal		Received \$ to spply in propagation of the charges on the propeny
<u></u>		#2					is properties of the charges on the property described hereon.
AE	5,/	51244					Agent or Cather
Z.E.	1,4	37-115-2014	.9				(The aignature here acknowledges only the amount prepaid) Charges Advanced:
2.0	uck.	7R 625					S
Pī	ate	4 AF- 57940		,			conform to the specifications set forth in the box maker's curtificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight
NOTE Where	the rate is de	ces two ports by a carrier by water, the few requires that the ball of pendent on value, shippers are required to state specifically in we alize of the property is hereby specifically stated by the s	ting the agreed at declared value of the pri	chipper's weight.	per		Classification." †Shipper's lappront is lieu of starmy, not a part of bill of baling approved by the laterstate Commerce Commission.
			Shipper, Per		Re	ndy He	wel Agent
Permanent p address of a					Per		
				<u>л</u>			

Shipper's No. SG-740

		c. C. Haer Trucking to the classifications and tartify in effect on the date of the issue of this Bill of leding.	and the second		Carrie	er's No.
	,-	• • • • • • • • • • • • • • • • • • • •	FDOM	ansa L	O+	
the property of throughout this or rustes, or of said route Bill of Lading Shipper hereby and the said	escribed rootine within to desti set fo certifies	below, in apparent good order, except as noted (cottents of condutus of contents of packages t as meaning any period or corporation in postession of the property under the contract) and the territory of its alignway operations, eitherwise to deliver to another camer on the result to nation, and as to each party it any time interested in all or any of said property, that every this time that (1) in the Uniform Property install that to the contract of the property of the territor	inforces. Busiced consigned, rest to carry to lis usual plant destination. It is metall service to be performed here mill-water shipment, or (2) is those on the back thereof, so	and destreed as shace of delivery at y agreed, as to e under shall be subject the opplicable most forth in the class	own below, which sald denisation, is ach carrier of all the term tion carrier classification or tariff	stild company (the word company being understood for its own infrance water line highway coase or any of said property over all or any portion is and conditions of the Uniform Domester Straight down or tariff if this is a mosor carmer shipment which governs the treaspontation of this shipment.
Consigne	аTС	(Mail br XYNSNXX SUndury Generation	street address for purposes of no	ification only.)		Subject to Section 7 of conditions, if this shipment is to be delivered to the consigner without recourse on the consignor, the consignor shall sign the following statement:
Destination		OLC TRail Rd. Street S:		1	Citv	The carrier shall not make delivery of the shipment without payment of freight and all other lawful charges.
		County PA	State 1787	ั้ธ์	Zip	
Route		Delivery ★ —Address ★ (★To be filled in only when shipper delires and	governing tariffs provide for delive	ery thereat.)		(Signature of consignor.)
Delivering	Carri	erCaror	Vehicle Initials and N	0		C. O. D. Charges to be Paid by
Collect on	Deliv	very \$And Remit to				☐ Shipper ☐ Consignee
		Street	Citv		State	If charges are to be prepaid, write or stamp here, "To be Prepaid."
No. Packages	H.M.	Kind of Package, Description of Articles, Special Marks, and Exceptions	"Weight (Subject to Correction)	Class or Rate	Check Colemn	
1		load water	5000	gal		Received \$to apply
	ļ	;4 2				in prepayment of the charges on the property described hereon.
afes		8333 51244				Agent or Cashies
API		37-115-20149				(The algorative here acknowledges only the amount prepaid) Charges Advanced:
Truck	i jr	\$104 MIKE				\$
Late	3 3	44A-1776				cusform to the specifications set forth in the bour maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Preight Classification and Rule 5 of the National Motor Preigh
		tweet two ports by a carrier by water, the two requires that the bill of liading shall state whether it is currier's or shipped or the state specifically in writing the specified or decired 'rake of the propert dependent on value of the property is because yeardling layer and the state by the state part is be not exceeding	per's weight. ty.	1967	<u></u>	Classification." 15h/pper's impensi in fice of stamp; not a pan of bill of lading opproved by the interstate Commerce Commission.
	-4	Shipper, Per				Agen
Permanent p	post-off		560)	Per	······································	Agen
	15	Í				

HIIOOF	ורכו	NG UNDER	must be legibly filled in, in link, in Carbon, and retained b	Indexible Pencil, or in y the Agent.		L	Shinn	ers No. <u>50~7/40</u> 741
		•		•		4.50	Opp	
Carrier's N	lame:	C. dae	r Trucking			8 W .	Carrie	r's No.
RECEIVED, 8	ubject to	the classifications e	nd tariffs in effect on the date of the	s issue of this Bill of lading,				
at	DIMO	ock Two.	order, except as noted (contents and	5/25/10 condition of contents of packages	FROM SR	WR器/Cab	hown below, which	said company (the word company being undrestood
or routes, or of said route Bill of Lading Shipper hereby and the said to	within the to destina set facth certifies terms and	e territory of its high clon, and as to each to (1) in the Uniform that he is familiar w conditions are bereby	way operations, otherwise to deliver to party at any time interested in all o Freight Classification in effect on the fith all the terms and conditions of agreed to by the shipper and accept	to another carner on the route to r any of said property, that every s date hereof, if this Ir a mil o the said bill of lading including ed for himself and his assigns.	anid destination. It is mun service to be performed by rabi-water shipment, or (2) those on the back thereof,	ally agreed, as to reunder shall be sub- in the applicable to sot_forth in the ci	each carrier of all ject to all the terms ofor carrier classifica- assification or pariff	said company (the word company being understood on its own rallood, water line, highway rout or any of said property per all or any portion, and conditions of the Unifers Domestic Straight Oos or taus! If this is a more conver stypened, which governs the mesoporation of this abspects,
Consigner	tOT	Sunbur	y Generation	(max ax	sweet accress for purposes of	totification only.)		Subject to Section 7 to conditions, it has supplied is to be delivered to the consignee without recourse on the consignor shall sign the following statement:
			R.C.	•			City	The carrier shall not make delivery of this shipment without payment of freight and all other lawful sharges.
			_ CountyPA.			7376	Zip	
Route			(★ To be	Delivery Address Address Bro	governing tariffs provide for de	lvary thereat.)		(Signature of consignor.)
Delivering	Carrie	or	·	Car or	Vehicle Initials and	No		C. O. D. Charges to be
_								Paid by ☐ Shipper ☐ Consignee
			Street		City_		State	If charges are to be prepaid, write or stamp here. To be Prepaid."
No. Packages	H.M.	Kind	of Package, Description of Articles, Special	Marks, and Exceptions	"Weight (Subject to Correction)	Class or Rete	Check Column	
1			load water		5000_	gal		Received S to apply
			<i>∓</i> 2			1964. 1964.		in prepayment of the charges on the property described hereou.
AF	3章		51244 .		·	1.75		Agent or Cashier
	Ξij		37-115-20149			1		(The signsters here acknowledges only the amount prepaid.) Charges Advanced:
·P·r	.,,,,		i)Exwy		,;	,		<u> </u>
	\mathbb{L}		1015	· · · · · · · · · · · · · · · · · · ·	•	:		f "The fibre containers used for this shipment conferre to the specifications set forth in the box maker's certificate thereon, and all other regularments of Rule 41 of the Uniform Freight Classification
	DOWES Detre		by water, the law requires that the bill of lasti- ra are required to state specifically in writing	ng shall state whether it is carrier's or ship the agreed or declared value of the prope	per's weight.		<u> </u>	and Rule 5 of the Notional Motor Preig' Classification." 1Shipper's impriet is lieu of stamp; sot a pa. of bell of lading approved by the interstate
The agreed or	declared	value of the property i	hereby specifically stated by the shipp	per to be not exceeding		, per		of ball of lading approved by the interstate Commerce Commission.
			•	ipper, Per	-		this Shippin	must detach and retain g Order and must sign
Permanent p address of at	ost-office hipper,	1 1/W.	Einhi Kin	ノビニラロ グブ・ル	-553)	مخر ا	TOE Unginal	Bilt of Lading)
					D.	•		

Shinner's No	SG-742

Carrier's I		to the classifications and tariffs in effect on the date of	- 	·		Carrie	er's No.
	•			FROM SR	VR/Cabo	DE.	soid company (the word company being understood
throughout this or routes, or of said route Bill of Lading Shipper hereby and the said to	contract within to to destri set for certifies terms to	(Date) below, in apparent good order, except as novel constear a set menting any person or expectation in possession of as menting any person or expectation in possession and as to each party at any time leterated in all radion, and as to each party at any time leterated in all radion, and as to each party at any time leterated in all radion (1) in that he is throlliar with all the terms and conditions of conditions are hereby speed to by the shaper and according	the property under the contract) agree to another carrier on the rosts to a or any of said property, that tvery se the date hereof, if this is a mill or r f the said bill of lading, including the poed for biruself and his assigns.	it to every so its usual plantic destination. It is municilly prefer to be performed herean all-water shipment, or (2) in use on the back thereof, set	re of delivery to agreed, as to ex- ster shall be subst- the applicable mo- forth in the class	said destination, if ich corner of all ict to all the term tor carner classifies utilication or tasiff	f on its own railroad, water line, highway rouse or say of said property own all or any portion a and conditions of the Uniform Domestic Scraight sion or testful if the is a moster carrier shyment, which governs the transportation of this shipment.
Consigned	аΤС	Sunbury Generatio	(Mail or str	est address for purposes of notif	lcation only.)		Subject to Section 7 of conditions, if this shipment is to be delivered to the consigner without recourse on the consignor, the consignor shall sign the following statement:
Destinatio		nt on Delivery Shipments, the letters "COD" must appear before co OLC TRAIL RG.		tem 480, Sec. 1. Cin Da:n		City	The currier shall not make delivery of this slipment without payment of fielght and all other lawful charges.
		County		State	1787	5Zip	
Route		(*To	Address Address and go	warning tariffs provide for deliver	y thereal.)		(Signature of consignor.)
Delivering	Cami	ier				29	C. O. D. Charges to be
Collect on	n Deliv	/ery \$	And Remit to				Pald by ☐ Shipper ☐ Consignes
•		Street		Citv		State	If charges are to be prepald write or stomp here. "To be Prepaid."
No. Packages	н.м.	Kind of Package, Description of Articles, Spe.	sial Marks, and Exceptions	"Weight (Subject to Correction)	Class or Rate	Check Column	
1		load water		5000	gal		Received 3 to apply
		#2					in prepayment of the charges on the property described hereon.
AF.		51244					Agent or Cashier
	Ŧ"	<u> </u>					(The signature here acknowledges only the amount prepaid.)
AP	<u> </u>	37-115-20149					Charges Advanced:
	l					ļ	\$
		011/729	——————————————————————————————————————		 		t "The libre containers used for this shipmen conform to the specifications set forth in the bo- maker's certificate thereos, and all other requirement of Rule 41 of the Uniform Feright Classification
	at∈	tween two ports by a currier by water, the law sequires that the bill of its dependent on value, shippers are required to state specifically in writ	ding shall state whether it is carner's or shipper	's weight.	<u> </u>	L	and Rule 5 of the Nameral Motor Freigh Classification." †Shipper's imprint to lies of stamp; not a par-
		is dependent on value, shippent are required to state specifically in write d waster of the property is hereby specifically stated by the six			ner		of bill of lading approved by the Internal Compares Commission.
						· · · · · · · · · · · · · · · · · · ·	
			Shipper, Per				Agen
Permanent p address of al	post-off hipper,	100 Chris Sprolle (Son	1 Gen CT-10	<u>538)</u>	Per		
		•	ζ,				
			Ĺ				

Shipper's l	VIO.	SG-	74	. 3
Othboar 2 i	VU.			

Carriers	vame:	5 That Trucking TRUR			Carrie	ers No.
		to the classifications and tariffs in effect on the date of the issue of this Bill of lading,		(27) / Cm != =	. 1.	
at DITIO the property de throughout this or routes, or of said route Bitt of Lading Shipper hereby	ecribed of contract whitein all to destin sea for certifies	TWO . (Date) 5/25/10 below. In appurent good order, except at noted (contents and condition of contents of pacity as meaning any person or corporation in possession of the property under the contract) be territory of its highway operations, otherwise to deliver or souther correct on the contract) between the pacty at any time interested in all or easy of soid property, the extent of the territory of the property of the contract of the contra	per unknown), marked, coorigned, agrees to carry to its usual place to sail destination. It is mutually ery service to be performed hereo or rail-water abligment, or (2) in these on the book thereof, as	ME/Cabc and destined as sho axe of delivery at y agreed, as to es ader shall be subje the applicable mon t forth in the clas	ows below, which said destination. I which courier of all the term to all the term for curier classification or tank!	said company the word company being understood f on its own milroad, water line, highway rusts or any of said property over all or any portions and conditions of the Linform Dorosetic Straight uices or turiff if this is a motor carrier abipment, which governs the transportation of this Alipment,
Consigned		_ · · · · · · · · · · · · · · · · · · ·	or street address for purposes of not	ification only.)		Subject to Section 7 of conditions, if this shipment is to be delivered to the consignor without recount on the consignor, the consignor shall sign the
Destination	in Collect	on Delivery Shipments, the letters "COD" must appear before consigner's name or as otherwise provid	edinitem 430, Sec. 1. Camokin Dam		City	following santement: The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.
Route		County Delivery Address Address (ATO to filled in only whan shipper desires e	State1787		Zip	
		(★To be মিল্ল in only when shipper desires e				(Elgnatura of consignor.)
		erCar		o. <i>OV[[-</i>	729	C. O. D. Charges to be Paid by Shipper Consignee
CONCER ON	50	Street	Citv		State	If charges are so be prepaid, write or stamp here. To be Prepaid.
No. Packages	H.M.	Kind of Package, Description of Articles, Special Marks, and Exceptions	"Waight (Subject to Contection)	Class or Rate	Check Column	
_1		load water	5000	gal		Received 5 to apply
		i i/2				in prepayment of the charges on the property described hereon.
_ AFE		51244				Agent or Cashior
API		37-115-20149				(The signature here ocknowledges only the autount prepaid.) Charges Advanced:
Truc	\$25	011/729				The fibre containers used for this shipmen
PLat		ATZOUX				conforms to the specifications act forth in the bor maker's certificate threeon, and all other negativement of Rule 14 of the Uniform Preight Classificati and Rule 5 of the National Motor Feel; Classification."
NOTE -Where	the rate is	inseen five point by a careler by water, the lear requires that the bill of Indiag thall state whether it is carrier is or a dependent on twine, shippers, arregated to state specifically in emuging the agreed on extend value of the pro- i yaque of the property in hereby specifically stated by the shipper to be and exceeding	hipper's weight. openy.	947		thipper's lupder in the of starap; not a part of bill of lading approved by the interstate Communics Commission.
		Shipper, Per				Agen
Permanent p	ost-offi hipper,			Per		
		0	{]			

J₁RAIG	HTB	HLL OF LADING—SHORT FORM	ORIGINAL - I	NOT NEGOTIABLE		Shippe	er's No. <u>2539</u>
- riers i		302202 12 00704				Carrie	r's No
		o the classifications and tariffs in effect on the date of the iss					
at TT: the property de throughout this or makes, or of said route Bill of Lading Shipper hereby and the said	escribed to contract within the to destinated for certifies terms and	Clate) In apparent pood order, except as noted (contents and contents and contents and contents are contents) as meaning any person or corporation in possession of the set territory of its highway operations, observates to deliver to also, and six to each pury at any time intensived in all or as to (1) in the Uniform Freight Classification in effect on the data he is familiar with all the terms and conditions of the conditions are hereby agreed to by the shapper and accepted if	5/27/10 addition of contents of pockag property under the contents on the rottle op of said property, that ever hereof. If this is a mit said bill of lading, including or himself and his assigns.	FROM cs annknown) marked, consigned, a agrees to extry to its used plate to said destination. It is motually my service to be performed hereon or rall-neuter shipment, or (2) in g those on the back thereof, set	od destined as show a of delivery at agreed, as to each fer shall be subject the applicable most forth in the class	on below, which a said destination. If h carrier of all t to all the terms of carrier classifica- ification or teriff	said company tibe word company being enderaced on its own railroad, water line, hygheny roots or any of said property ever all or any portice and conditions of the Uniform Domestee Chalph and Conditions of the Uniform Domestee Chalph to the Chalpharm of the Uniform Company Chalpharm when portion the Unisoportation of this shopmen.
Consigned	OΤε	JOhnstown Region	al Sewage	or acres socress for purposes of non-	cation only.)		is no be delivered to the consigner without recourse on the consignor, the consignor shall sign the following statement:
		on Defivery Shipments, the letters "COD" must appear before consigned	•				The carrier shall not make delivery of this shipment without payment of freight and all other
Destinatio	n	241 Asphalt Rd.	Street		1590 <i>6</i>	City	lawfut charges.
		County	Delivery .	State		Zip	
Route		(*To be Slec	DeliveryAddress*	mel management aville averal de la calulla de	thought.		(Signature of consignor.)
D-fire de	·	₹π (D Çiù Madi	arony wisen simpler desires a		I mesceri		
_		ər					C. O. D. Charges to be Paid by
Collect on	Deliv	ery \$	And Remit to				☐ Shipper ☐ Consignee
			•				If charges are to be prepaid, write or stamp here. "To be Prepaid."
	,	Street		Clty	T	State	stump here. "To be Prepaid."
No. Packages	H.M.	t(Ind of Package, Description of Articles, Special Ma	iks, and Exceptions	"Weight (Subject to Correction)	Class or Rate	Chack Column	
3		load water		4620	gal		
		ë <i>#</i> 2					Received S to apply in prepayment of the charges on the property described hereon.
	-	<u> </u>			 		Agetal or Cashler
ATE	1.	51244			1 1		
	1						The signature here acknowledges only the amount prepalel.)
а от		37_115_201	10]		Charges Advanced:
	-	0	<u> </u>		1		
Tru	ck	#BW-3 -//					† "The fibre containers used for this shipmen
bla		7483789 B	PTRRU	9 P R			conform to the specifications set forth in the box maker's certificate thereon, and all other requirement
"If the shipment	mores be	tween two ports by a carrier by water, the law requires that the bill of lading at dependent on value, altippers are required to state specifically in writing the	dil state whether it is corrier's or a	hipper's wright,		· · · · · · · · · · · · · · · · · · ·	and Rule 5 of the National Motor Freight Classification." 15hipper's impaint in lieu of stamp; not a par
_		t dependent on value, shippers are required to state specifically in writing the I walplayof the property is hereby appellically stated by the shipper I		openy. [/	per		of bill of lading approved by the fateratest
N		11 -144			, , , , , , , , , , , , , , , , , , ,		<u> </u>
	بله	shipp	er, Per				Agen
Permanenti	past-off	, , -			_		·
address of s	hipper,				Per	·	
				۲			

.AIGHT BILL OF LADING - SHORT FORM

ORIGINAL - NOTNEGOTIABLE

Shipper's No.	2540
Shidders No.	

Carrier's I					Carrie	r's No.
RECEIVED,	subject i	o the classifications and tariffe in effect on the date of the issue of this Bill of lading,	-	_,		
at Di	കര	CK Two. (Date) 5/27/10	FROM	SRWR/C	abot	
the property de throughout this or rostes, or of sald roste Bill of Ladley Shipper hereby and the said	escribed contract white d to destir put for restifies terms are	ck TUO. (Date) 5/27/10 seltow, in apparent good order, except as noted (centerals and condition of contents of poctages as assembling may preson or corporations. In posteration of the property sender the command as territory of its highway continuous, and the content of the property sender the content of the property sender the content of the property sender the content of the property sender the content of the property sender the content of the property sender the content of the property sender the content of the property that every that the property sender the content of the said bill of ledge, lackdaine conditions are persely agreed to by the stapper and accepted for highest and his assigns.	maknown), marked, consigned, rees to carry to its usual paid destination. It is minus service to be performed here rail-water abipment, or (2) those on the book thereof.	and destined as shi slock of delivery at ity agreed, as to en- under shall be subje- in the applicable mo- ter forth in the class	own below, which sold desiration, if the currier of all the terms tor currier classification or mriff	sald company the word company being or on its own militimad, water him, highest or any of said property over all or any s and conditions of the Uniform Domestic then or Lattle is this is a motor carder which governs the transportation of this
Consigned	d TO	JOhnstown Regional Sweage	street address for purposes of n	riffication only.)		Subject to Section 7 of conditions, if this is to be delivered to the consignor without on the consignor shall following severage:
		on Defivery Shipments, the latters "COO" must appear before consigned a name or as otherwise provided 241 Asphalt Rd. Street		istown	Citv	The carrier shall not make delivery shipment without payment of freight and lawful charges.
		County	State	1590		
Route		Delivery Address Address (*To be file (in only when shipper dealers and	numerolog teritis provide for rieth	many the most \		(Signature of consignor)
Dollanda	Cará	er Car or				C. O. D. Charges to be
•		ery \$And Remit to				Paid by
		Street	City		State	If charges are to be prepaid, statup here. "To be Prepaid."
No. Packages	H.M.	Kind of Package, Description of Articles, Special Marks, and Exceptions	*Weight (Subject to Correction)	Class or Rate	Check Column	
1		lozá water	4620	gal		Received S
		£32				in prepayment of the charges on the described hereon.
Æ	**************************************	31/32\$ 51244				Agent or Cashier
2	PT	37-115-20149				iThi signoture here acknowledges only the amount prepaid.) Charges Advanced:
		BRO-BW3T				
<u></u>	TUG	AF 23 454 & XIF9960	A.	 		t "The fibre containers used for the conform to the specifications set forth make's certificate thereon, and all other of Rule 41 of the Uniform Freight and Rule 5 of the National M
		Notes have ports by a carrier by water, the law requires that (be bill of lading shall trase whether it is carrier's are ship dependent on value, shippers are required to state specifically in writing the agreed or declared value of the prope	per's weight.		\	Classification." 15Nipper's topeint in lieu of stampt of bill of loding approved by 11 Commerce Commission.
The agreed or		analuse of the gropery's is bereits speedifically stated by the shipper as be not exceeding Shipper, Per		per		Commerce Commission.
Permanent p				Per		

CABOT-EPA 007451

DIM0227454 DIM0228684

Shipper's No. SG-752

Carrier's N					Carrie	r's No. 096408
		o the classifications and tariffs in effect on the date of the issue of this Bill of lading,				
<u>Di</u>	noc	k Ttvo. (Date) 5/27/10	FROM	RWR/Ca)	oot	
the property de throughout this or routes, or of said route Bill of Lading Shipper bereby and the said t	ecribed contract within the to destine set for certifies are are are	Chartes (Date) Chow, in sparsed good order, except as moted icontents and condition of contents of packages as meaning any person or cooperation in possession of the property order, the content as it is territory of its in highway operations, observate to deliver the new person of the property order, the content allow, and as to each party of any time interested in all or any of said property, that even that it hamiliar with all the terms are conditions and the date hereof, if this is a rail of that is a familiar with all the terms are conditions or the said bill of bading, introduce coordinates are hereby agreed to by the aboptant and the said party and the conditions are hereby agreed to by the aboptant and the said party and the conditions are hereby agreed to by the aboptant and the said party and the conditions are thereby agreed to by the aboptant and the said party and the conditions are the extent of the said bill of bading including the conditions are the extent of the said bill of bading including the conditions are the extent of the said bill of bading including the conditions are the c	unknown), marked, coasigned, rees to carry to its usual p said destination. It is mottail service to be performed hereit nul-water shipment, or (2) is those on the back thereof, as	and destined at sho ince of felivery at by agreed, as to ea- order shall be subject the applicable most at forth in the class	win below, which said destination, it is carrier of all it to all the terms or carrier classifier sification or tariff	and company (the word company being inderstood? on his own callrood, water kine, highway route of any of said property over all or any portion of one conditions of the Uniform Domestic Straight than or itself if this is a motor currer shipment, which governs the transportation of this shipment.
Consigned	OT	SUnbury Generation (Make)	street address for purposes of no	ification only.)		Subject to Section 7 of conditions, if this shipment is to be delivered to the consigner without recourse on the consignor, the consignor shall sign the following statement.
Destinatio	ir <u>Collect</u>	on Delivery Shipments, the listics "COD" must appear before consigned's name or as otherwise provided $\pm 1~R\bar{c}$. Street	SHamokin E		City	The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.
			State		Zip	
Route		Delivery Address (*To be filled in only when shipper desires and	governing tariffs provide for delive	sry thereat)		(Signature of consignor.)
		erCaror				C. O. D. Charges to be
Collect on	Deliv	ery \$And Remit to				Paid by ☐ Shipper ☐ Consignee
						If charges are to be prepaid, write or stamp here, "To be Prepaid."
No.	нм	Street Kind of Package, Cescription of Articles, Special Marks, and Exceptions	"Weight (Subject	Class	State	and the contract of the contra
Packages	1.0	га или галопра, экванизмен и га вихва, чувства пак на, ака състрия м	to Corréction)	or Rate	Column	
1		loaî water	5 6 00	gal		Received \$ to apply
		₹ #2				in prepayment of the charges on the property described hereon.
KKYK	HX	AFE# SIRW 51244				Agent or Costrier
		API* 27-115-20149				(The signoure here acknowledges only the amount prepaid.) Charges Advanced:
TRuc	s vil	622				\$
Lat		AF5S38L				conform to the apocifications set forth is the box ranker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Chasification and Rule 5 of the National Motor Freight
NOTE Where	nsoves be the rate is	sween two parts by a confer by water, the law requires that the bill of lading shall state whicher it is carrier's or ship, dependent on value, thippers are required to state specifically in writing the agreed or declared value of the prope I value of the property is hereby specifically stated by the shipper to be not exceeding	per's weight.	per		Classification." 1Shipper's imprint in lies of stamps and a part of bill of lading approved by the interstate Commerce Commission.
		Shipper, Per			0//	Agen
Permanent p	post-offi hipper,	,, ,		Per	That I	W
-			7			

Shipper's No. 3G-753

Carrier's N	lame:	JS Environmental			Carrie	rs No. 10701
		the classifications and tariffs in effect on the date of the Issue of this Bill of fading,				
at D	imoc	ck Twp. (Date) 5/27/10	FROMS	SRWR/Ca	bot	
the property de throughout this or routes, or of said runte Bill of Luting Shipper hereby and the said t	scribed bet contract : within the to destinate set forth certifies t erms and	Ok TWO a (Date) 5/27/10 Tow. In apparent good order, except as nated towners and condition of contenus of pact as meaning any person or corporation to posteration of the property under the content territory of its highway operations, otherwise to deliver to another enterior on the route too, and so no each party at any time instructed in all or any of said property, that is the bullion breight Chastification in effect on these Aerosel if this is a fact of the conditions are hereby agreed to by the shipper and accepted for himself and his assigns.	hages takknown; marked, consigned, to act of its usual pice to said destination. It is mutually every service to be performed herewill of rak-water shipmens, or (2) is ding those on the back thereof, set.	and destined as sho ace of delivery at y agreed, as to ex ader shall be subject the applicable most torth in the class	we below, which said destination, I said destination, I she currier of all set to all the term or carrier classification or tariff	said company whe word company being understood f on its own railroad, water line, highway route or any of taid property over all or any portion a und conditions of the Uniform Demesto Straight ideas or taid if this is a motor carrier Shipment, which governs the transportation of this Shipment.
		(M Sunbury & Generation n Delivery Shipments, the letters COD' must appear before consigned's name or as otherwise pro-	an or nineer stockess for briboses of you	dication only)		Subject to Section / Of conditions, if this shipment is to be delivered to the consignor without recourse on the consignor shall also the following attrement:
o Destinatio	n Collector ∩ O.		Medinten 430, Sec. 1. amokin Dam		Citv	The carrier shall not rasks delivery of this shipment without payment of freight and all other lawful charges.
		County DA Delivery Address* (*To be filled in only when abpear desires	State	17376		
Route		Address*Address*	s and governing tariffs provide for delive	ry linereat.)		(Signature of consignor.)
		rCa				C. O. D. Charges to be
_		ry \$And Remit to_				Paid by ☐ Shipper ☐ Consignee
		Street	City		State	If charges are to be prepaid, write or Mamp here. To be Prepaid.
No. Packages	н.м.	Kind of Package. Description of Articles, Special Marks, and Exceptions	"Weight (Subject to Correction)	Class or Rale	Check Column	
1_		loaû water	6 ⊜ 00	gal		Received \$to apply
		#2				in prepayment of the charges on the property described berron.
AF	E#	EIRR 51244				Agent or Cashier
	1.4	.37-115-20149				tThe signature here acknowledges only the amount prepaid.)
		Can 1110				\$
	uck	1-07014			··	t "The fibre containers used for this shipmen conform to the specifications act forth in the bott maker's certificate thereon, and all other requirement of Rule 11 of the Uniform Freight Classification Rule 5 of the National Motor Free Classification."
"If the shipment NOTE —Where	moves between	of entrop ports by a centric by water, the law requires that the bill of lacing shall state whether it is corner's a cperitant on value, shippers are required to state specifically in writing the agreed or declared value of the p value of the property is berefly specifically stated by the shippers to be not exceeding	shipper's weight. property.	}		and Rule 3 of the National Motor Free Classification." 15hipper's imprint in flew of stamp; not a part of bill of lading approved by the laterstate Commerc
		Shipper, Per			1	Agen
Permanent p	ost-office hipper,	•••		Per /t	WVV	VAL
			5]	ΰ	/	

Shipper's No. 33-754

		US Environmental			Came	FSTO. 130 790
		o the classifications and tariffs in effect on the date of the issue of this Bill of lading,				
a. JI	noc	k Two. (Date) 5/27/10	FROM51	RWR/Cab	ot	
the property de throughout this or soldes, or of said route t Bill of Lading Shipper bereby and the said is	contract contract within the to destin set for certifies erms and	C TWO. (Date) 5/27/10 below. In apparent good enter, except as noted (contents and condition of contents of package as meaning any person or corporation in postession of the spectral value it is inflyingly operations, otherwise to deliver to snother currer on the rouse to those and to the cash garry at any time interested in all or any of task property, that even the is familier with a little the rouse and of conditions of the said bulk of haifs, including to conditions are hereby agreed to by the shipper and accepted for himself and his assigns.	unknownh marked, consigned, grees to carry to its usual places to carry to its usual places to envise to be performed hereur rail-water shipment, or (2) in those on the back thereof, so rainest address for purposes of not	and destined as she ace of delivery at y agreed, as to ea ader shall be subject the applicable more t forth in the class	own below, which said destination, it said to currer of all to to all the hermal for entire clossification or entitle	said company (the word company being understood on its own raticod, where the highway norte or any of said property over all or any portion and conditions of the Uniform Downstic Straight tilon or tariff if this is a motor carrier shipment, which governs the transportation of this shipment.
		Subject to Scatton 7 of conditions, if this shipment is to be delivered to the consigner without recourse on the consignor, the consignor shall sign the following statement:				
	The corrier shall not make delivery of this shipment without payment of freight and all other lawful charges.					
Destination	n	OLd Trail Rd. Street SHa	mokin Dan	17076	City	than distor
		County PA Delivery Address* (+To be filled in only man support desires an	State	1676	Zip	
Houte		(#To be filled in only when shapper desires an	d governing tanifs provide for delive	ry thereat.)		(Signature of consignor.)
		erCar o				C. O. D. Charges to be
Collect on	Deliv	Paid by □ Shipper □ Consignee				
		State	If charges are to be prepaid, write or stamp here, "To be Prepaid."			
No. Packages	H.M.	Street Kind of Package, Description of Articles, Special Marks, and Exceptions	"Weight (Subject to Correction)	Class or Rate	Check Column	
1		load water	6000 10000	gal	-	Received 5 to appling the charges on the propert
		22				in prepayment of the charges on the propert described hereon.
<u>are</u>	ij	51244				Agent or Cathler
API	3	37-115-20149				Per The signature here acknowledges only the sencent prepaid. Charges Advanced:
Tru	þķ	# G21-				S
	ce.	XBC7420				? The fibre containers used for this shipme conform to the specifications set forth is the be maker's certificate thereon, and all other requiremen- of faile 41 of the Uniform Freight Classification and Rule 3 of the National Motor Preig Chamifration.
		were even purss by a canter by wrate, the two requires that she bull of hading shall state whether it is corner's or shi dependent on value, aluppers are required to sales specifically in writing the oproed or declared value of the prop I wahue of the property is hereby specifically stated by the aht/pper to be not exceeding	pper's weight. eny.	per		Classification. †Shipper's imprine in lieu of statege not a pa of bill of lessing approved by the Intersta Commerce Commission.
		Shipper, Per				Ager
Permanent p		•••		Per		, 90
			<u> </u>			

ORIGINAL - NOT NEGOTIABLE

Shipper's No. SG-755
45 E Oct #F 109441
Carrier's No.

Carriers I		05 Environmental				Carrie	r's No.
	•	o the classifications and tariffs in effect on the date		-			,
at DIa	nock	Two. (Date	5/27/10	FROME	SRWR/	Capot	
the property di throughout this or routes, or of said route Bill of Luding Shipper hereby and the said	contract contract within th to destu- ser for- certifica- terms and	Tivi O. (Date: Licke, in apparent good order, except as noted icontents as meaning any perion or corporation in possession of training of its lightway operations, beforeing to definition, and as to each party at any lines interested in the line buildrant prayers Chariticisms in effort does not also be buildrant prayers Chariticisms in effort, and the conditions are bently agreed to by the shipper and the conditions are bently agreed to by the shipper and the conditions are bently agreed to by the shipper and the conditions are bently agreed to by the shipper and the conditions are bently agreed to by the shipper and the conditions are bently agreed to by the shipper and the conditions are bently agreed to by the shipper and the conditions are bently agreed to be the shipper and the conditions are bently agreed to be the shipper and the conditions are bently agreed to be shipper and the conditions are bently agreed to be shipper and the conditions are shipper and the condition	and condition of contents of packages of the property sades the contracts ago yet to another camer an the route to all the content ago as the class hereof, if that is a rail or of the sald bill of lading, loctuding compand for himself and his stagns.	unknown), marked consigned, rees to carry to its usual p said detiliation. It is mutual service to be performed here rall-water shipment, or (2) is those on the back thereof, a	and destined as sho face of delivery at ity agreed, as to ex- stader shall be subject in the applicable most et forth in the class	we below, which said destination, it carrier of all ct to all the term or carrier classification or carrier classification or tariff	ead company the word company being understood f on its own railroad, water line, highway troute or any of said property over all or any portion s and conditions of the Uniform Dominate Studyin then or tariff if this is a motor carrier shipment, which governs the transportation of this shipment,
		SUnbury General on Delivery Shipments, the letters COD must appear before	(Mail or	street address for purposes of no	tification only.)		Subject to Section 7 of conditions. If this shipmen is to be delivered to the consignee without recognition the community that considerate shall sime the
		on Delivery Shipments, the letters "COD" must appear before 241 Asphalt Rd.				City	following statement: The carrier shall not make delivery of thi shipment without payment of freight and all othe lawful charges.
		County	PA	State	178	75 Zip	
		(*1	to be filled in only when shipper desires and	governing tarlife provide for deliv	ery thereat.)		(Bignature of eo/largnor.)
Delivering	Carrie	er	Caror	Vehicle initials and N	o		C. O. D. Charges to be
Collect on	Deliv	ery \$	And Remit to				Pald by □ Shipper □ Consignee
-		Street		City		State	If clarges are to be prepoid, write o storm bent. "To be Prepoid."
No. Packages	н.м.	Kind of Package, Description of Articles, S	pecial Marks, and Exceptions	"Weight (Subject to Correction)	Class or Rate	Check Column	
1		load water		6 0 00	gal		Backet 6
		H #2					Roceived S to applie prepayment of the charges on the proper described hereon.
							Agent or Cathier
AFE#	\vdash	51244		_			Per
API#	oxdot	37-115-201	49				Charges Advanced:
Truck	3,2	618					1 "The fibre containers used for this shipme
PLate		AF 68829					conform to the specifications set forth in the bandser's cardinate thereon, and all other requirement of Rule 11 of the Uniform Eright Classification and Rule 5 of the National Monor Freig Classification.
"If the shipment NOTE —Where	moves bet the rate is	ween two ports by a currier by water, the law requires that the bill dependent on value, shippers are required to state specifically in whate of the property is hereby specifically stated by the	-	oer's weight. sy.			Classification. †Shipper's imprine in Beu of storept not a pr of bill of lading approved by the Interest Commercy Commission.
			Shipper, Per		Same	meek	W. Stellie OAger
Permanent paddress of s	post-offic				Per		0

O,11.7.11G	2			ORIGINAL -	NOT NEGOTIABLE		Shipp	er's No. <u>3G-750</u>
Carrier's N	Vame:	us	Environmer	ital				r's No. 169439
				the Issue of this Bill of lading,				
. (onTo	ck Twn.	(Data)	5/28/10	FROM S	aewa /ca	hot	
the property de theoreghost this or routes, or of said route is Bill of Lading Shipper hereby and the said is	recribed being construct a writing the to destinate set forth certifies the certifies the certifies and the certifies the certif	ow, in apparent good order a meaning any person or territory of its highway on, and as to each party (1) in the Uniform Fresh altonolitions are bereby agreed	c except as noted (contents corporation in possession of pertitions, otherwise to fellow at any time interested in all Classification in effect on the terms and conditions to by the shipper and oc.	and coadition of contents of pock of the property under the contract to another carrier on the coast to resy of said property, that the case hereof, if this is a rule of the said bill of lading inclus- report for binnets and his assigns	orges unknown, marked, consigned, at a species to easy to lite susual place to said destination. It is munually every service to be performed because if or rail-water shipment, or 121 in fing those on the back thereof, set	and destined as also as a series of delivery at agreed, as to corder shall be subject the applicable most forth in the class	we briow, which said desination, it corrier of all it to all the terms of carrier classification or tanif	said company (the word company bring understood on its even melroad, water line, highway route or any of 1815 property ever all or any position, and conditions of the Uniform Denoratic Struight one or that if the list is sometime courter disperant, which governs the transportances of this shapment.
Consigned	TO_	dnus	ury Genera	tion	an or street address for purposes of notifi	cation only.)		Subject to Section 7 of conditions. If this shipment is to be delivered to the consignor wishow recourse on the consignor shall sign the following enversation.
				onsignee's name or as otherwise prov		·		The carrier shall not make delivery of this shipment without payment of freight and all other
Destination	n <u> </u>	re Trair	RC.	Street	Sdamok State	in Dam	City	lawful charges.
		C	ounty	Delivery	State	17070	Zip	
Route			/unite	DeliveryAddress★_	and governing tariffs provide for deliver			(Signature of consignor.)
_					r or Vehicle Initials and No			C. O. D. Charges to be Pald by Shipper Consignee
		· · · · · · · · · · · · · · · · · · ·	Street		City		State	If charges are to be prepaid write or stamp here. To be Prepaid."
No. Parkages	H,M.	Kind of Pack	ege, Description of Articles, Sp.	edel Marks, and Exceptions	"Weight (Subject to Correction)	Class or Rate	Check Column	
1		1	oad water		6 3 00	gal		Received \$
			<u>#</u> 2					in prepayment of the charges on the property described hereon.
AF:	E#	5	1244					Agent or Cashler
A.P.	IX 3	3	7-115-201	49				The signature here acknowledges only the amount prepaid.) Charges Advanced:
т	i ck	620/668	7					
PL	ace	AT 878	24					† "The fibre consistents used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirement of Rule 41 of the Uniform Freight Classification and Rule 5 of the Notional Motor Freight Classification."
			er, the low requires that the bill of required to state specifically in wri- by specifically stated by the sl	beling shall state whether it is earner's or idag the agreed or declated value of the hipper to be not exceeding	r shipper's weight. property.	per		thisper's imprest in lieu of stamp; not a par of bill of lading approved by the Interstant Commerce Commission.
				Shipper, Per			1	Agen

Destination Old Trail Rd.

Route.

Delivering Carrier

Carrier's Name: <u>US_Environmentel</u>
RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading,

County.

Consigned TO SUndury Generation
On Collection Delivery Shipments, the letters "COD" most appear before consigners' name or as otherwise provided in Item 430, Sec. 1,
SHEOKIN Dam
Street

ORIGINAL - NOT NEGOTIABLE

Delivery
Address
hen shipper desires and governing rentls provids for delivery thereat.)

__ Car or Vehicle Initials and No. ___

P.A

- NOT NI	EGOTIABLE			01:1:	er's NoSG-751
				Snipp	ers No
BO	4	130	791	Carrie	r's No.
cages unfo } egrees to said every serv	FROM	Consigned, and its usual place it is mountain place it is mountain place.	VIR/Call d destined as sh of defivery at agreed as to er shall be subje	own below, which said destination. I not carrier of all test to all the term	acid company ithe word company being understood for all soon rational water fine. But way route or any of said property over all or any portion and conditions of the Uniform Domesse Smight toon or tanff if this is a motor currier shipment, which governs the transportation of this shipment.
il or mil- fing these	water shippion on the boo	nt, or (2) in It thereof, set	the applicable mo forth in the cla	sor carder classifica sification or tariff	tion or laciff if this is a motor currier shipment, which governs the transportation of this shipment.
ail or stree	t address for p	urposes of notific	ation only.)		Subject to Section 7 of coordings, if this shipment is to be delivered to the consignor without recourse on the consignor, the consignor shall sign the
	n 430, Sec. 1. SHGO!	cin Da	in	City	following statement: The carrier shall not make delivery of this abloment without payment of freight and all other lawful charges.
	State	1	7876	Zip	
and gove	rning teriffs pre	wids for delivery	thereat.)		(Signature of consignor.)
r or Vel	hicle (nitia	uls and No.			C. O. D. Charges to be Paid by Shipper Consignee
		_ City		State	If charges are to be prepaid, write or stamp here, "To be Prepaid."
	"Weight to Cor	(Subject vection)	Class or Rate	Check Column	
	80	<u>Q</u> O	qal		

Collect	on Deliv	☐ Shipper ☐ Consignee					
		Street	City		State	If charges are to be prepaid, write o stamp here, "To be Prepaid."	
No. Package	H.M.	Mnd of Package, Description of Articles, Special Marks, and Exceptions	"Weight (Subject to Correction)	Class or Rate	Check Column		
1		load water	6000	gal		Received S to apply	
		#2				to prepayment of the charges on the property described hereon.	
AFEË		51244				Agent or Castiler	
API#		37-115-20149				Per IThe signature here acknowledges only the aerount prepaid.) Charges Ashracod:	
Truck		621				\$	
PLate		XBC7420				† The fibre containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirement of Rule 41 of the Uniform Preight Classification Rule 5 of the National Motor Freight Classification.	
		tween two point by a cannot by walen, the law requires that the bill of Indias shall sake whether it is cartief's as sh depredent on value, subports are required to sate secficially in writing the agreed or celurary value of the pro- d value of the property is hareby specifically stated by the shapper to be not exceeding	ipper's weight. porty.	per		tShipper's impelat in flew of stamp; not a part of bill of lading approved by the interstate Commerce Commission.	
		Shipper, Per				Agent	
Permane address	ent post-offi of shipper,	ce		Per			

STRAIG	TRAIGHT BILL OF LADING—SHORT FORM			ORIGINAL - NOT NEGOTIABLE Shipp			pers No. SG-762	
						13	L- A130605	
Carrier's N		US Environmental				Came	r's No.	
VED, s	ubject to	the classifications and tariffs in effect on the date of the	issue of this bill of lading,					
at <u>Di 1</u>	<u>rock</u>	TWO. (Date)	5/28/10	FROM_SR	WR/Cao) t		
throughout this or routes, or to of soud route to Bill of Lading Shipper hereby and the said to	econtract of econtract of writhing the lot destination and certifies the certifies and certifies and	TWO a (Date) Ow. In apparent good order, except as noted (contents and as meaning any person or comparation air possession of it territory of its highway speciations, otherwise to dellere to on, and as to each party at any time interested in all or has to be an except any time interested in all or has to be a familiar with all the terms and conditions of conditions are hereby agreed to by the shipper and acceptance.	consists or pockage property under the contract) another enricer on the route is any of soid property, that ever date hereof, if this is a rull the said bill of ladding, including of for himself and his assigns.	appress to carry so its usual plates to carry so its usual plates and destination. It is maturally service to be performed hereus or rail-water shipment, or (2) in g those on the back thereof, set	the oranness at most case of delivery so case of delivery so case agreed as to each size abail be subject the applicable most forth in the class	via octow, which is all destination, is in carrier of all it to all the terms or carrier classification or taciff	that company (the work company wells) enterwhell on the own malroad, water line. Mighway route or any of said property over all or any porson and conditions of the Uniform Domastic Straight tion or taniff if this is a motor carrier shipment, which governs the transportation of this shipment,	
Consigned	TO.	SUnbury Generat	ion		ication only.)		is to be delivered to the consigner without recourse on the consigner, the consigner shall alga the following macmont:	
	n Coueca a	Old Trail Rd.	nee a name or as otherwise provide	Shamokin Da	m	ο::	The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.	
		County	PA	State		7376 Zip	Imatini cross Sales	
Route		(*To be	Delivery Address*					
			itted in only when shipper desires a				(Signature of consignor.)	
Delivering	Carrie	· ————————————————————————————————————	Card	or Vehicle Initials and No)		C. O. D. Charges to be	
Collect on	Delive	ry \$	And Remit to				Paid by ☐ Shipper ☐ Consignes	
StreetCityState							If charges are to be prepaid, write or stamp here, To be Prepaid.	
No. Packages	H.M.	Kind of Perkage, Description of Articles, Special	Marks, and Exceptions	"Weight (Subject to Correction)	Class or Rate	Check Column		
				6000				
1		X Load water			gal		Received \$to apply	
		į #2			1 1		in prepayment of the charges on the property described hereou.	
		E4014					Agent or Cashler	
1. 子正社	 -	51244	· · · · · · · · · · · · · · · · · · ·		 	·	The signature here acknowledges only	
3.91 <i>#</i>		37-115-20149				· •	the amount prepaid.) Charges Advanced:	
TRuc		626					<u> </u>	
	1	TO COOL	<u></u>				? "The fibre containers used for this shipment conform to the specifications set forth in the box maker's crafficult therein, and all other regularements of Rule 41 of the Uniform Freight Classification	
*Withen things are a		PLate ! Pl & & S	a shall state whether is is confer a or sh	imper's weight.	1		of Rule 4) of the Uniform Freight Classification and Rule 3 of the National Motor Freight Classification.	
		cen two ports by a carrier by water, the law requires that the bill of ladie ependent on value, shippers are required to state specifically in writing radwe of the property is hereby specifically stated by the shipp		perty.			†Shipper's imprint in lieu of stamp; not a part of bill of lading approved by the interstate Commerce Commission.	
· we will see or	Cartes and A	some or one brakers, is merent sharments smare at me sumble	er on or that Endergraft					
		Sh	ipper, Per		LKA,	NDD)	Agent	
Permanent p	ost-office hipper,	·			Per	•		

Shipper's No. SS-753

Carrier's i			Environme						Carrie	er's No. 109452
RECEIVED,	subject	to the classificatio	ns and leritfs in effect on	the date of the is	sue of this Bill of ladir	ng.		_		
at Di	2061.	k Twp.	**-	_(Date)	5/23/10		.FROM	SRUR/C	labot	
the property of throughout this or routes, or of sald mute Bill of Lading Shipper hereby and the said	escribed contract within to to desti- set for certifies terms an	below, in appearent to meaning any to meaning any the territory of its ration, and as to each (1) in the Unification to the territory of the territory are lied conditions are lied	good order, except as notes person or corporation in p highway operations, otherwise sets purty at any time inter pern Freight Classification in e with all the trems and cby agreed to by the ship	i (contents and co ossession of the e to deliver to a rested is all or a effect on the da conditions of the per and accepted if	ndition of contents of property under the commonter carner on the my of said property, these hereof, if this is a said bill of lading, it for himself and his as	pockages union nizact) agrees route to said hat every servi- a sail or mil- including those signs.	own), marked, consigned to carry to its small destination. It is more ce to be performed he water shipment, or (2) on the back thereof.	t, and destined as all place of delivery and malty agreed, as to e reunder shall be sale; in the applicable most set forth in the cla	town-below, which said destination, i said destination, i sach carrier of all ect to all the term ofter carrier classification or tariff	said company fibe word company being understood if on his own railroad, water line, highway mane or any of sold property over all or any portion is and conditions of the Uniform Denseus Straight said conditions of the Uniform Denseus Straight which governs the transportation of this shopment. Subles to Swilze 7 of conditions if this shipment.
Consigner	σТО	_SUn	bury Gener	ration		,		otification enty.)		Subject to Section 7 of conditions, if this shipment is to be delivered to the consigner without recourse on the consignor, the consignor shall sign the following statement:
			ta, the letters "COO" must appr il RC.	-		•		- Caa		The carrier shall not make delivery of this shipment without payment of freight and all other
Destinatio	n	<u> </u>	<u> </u>		. Street		DHZEROISI	17376	City	Lawful charges.
			County		Delivery		3tate	17070	Zip	
Route	·			(★To be filled	Address in only when shipper de	Hires and gover	ning tariffs provide for def	ivery thereat)		(Signature of coesignor.)
										C. O. D. Charges to be
Collect on Delivery \$ And Remit to								Paid by		
			Street				City		State	if charges are to be prepaid, write or stamp here. "To be Prepaid."
No. Packages	HJAL	к	Ind of Package, Description of				"Weight (Subject to Correction)	Class or Rate	Check Column	
1			load %#	exke	Mater		6 0 00	cal		Received \$ to apply in prepayment of the charges on the property
		_		#2						described bereon.
Z D	3.57:	2.5	51244							Agent or Cashler
	1	Y								The zignature here acknowledges only the amount prepaid.
API	į.		, 37-115.	-20149						Charges Advanced:
Truc	k,	620/	468							t The fibre containers used for this shipment
PLat	æ;;	PTE	778 2H							conform to the specifications set forth in the box maker's certificate thereon, and all other requiremen- of Rule 41 of the Uniform Freight Classificat and Rule 3 of the National Motor Freigh Classification."
NOTE -Where	the rate it	dependent on value, al	rier by water, the law requires th appers are required to state speci ty in hereby specifically stat	fically in writing the	agreed or declared value of	r's or shipper's v the property.	eighi.	per		This statement in the of stamps not a part of bill of lading approved by the Interstate Commerce Commission.
				Shipr	er. Per				1.	Agent
Permanent p	post-offi hipper.	ce			,			Per	yy W	relf
	- 11 - 1					{			<i>O</i>	U

Shipper's N	o.	<u> </u>	7	ō	4

^~rder's l		: C. Haer Trucking to the classifications and tariffs in effect on the date of the Issue of this Bill of lading,			Carrie	r's No.
			EDOM di	nian Ini.	,	
the property of throughout this or coutes, or of said coute Bill of Lading Shipper hereby and the said	escribed contract within t to destir set for certifies	below, in apparent good order, except as noted (construit and condition of contents of sociarges as meaning any person or cooperation in possession of the property under the contract of the territory of its highway operations, otherwise to deliver to another currer on a the route to assume and as to each party it any late interested in all or any of said property, that every the (1) is the Uniform French Constitution in effect on the date hereof, it has it is not all the to the territory of the said of the content of the said of	unknown), marked, conspect, mess to corry to its assual pead destination. It is mutual service to be performed here: resil-water shipment, or (2) it those on the bock thereof, a	and destined as an acceptance of delivery at the subject at the subject at the subject at the subject to the su	own below, which said destination, of all the terminate of all the terminate emission or militaries of militaries or militaries.	asid company the word company being suderstood on no own relicosory where the highway stoke the condition of the Uniform Domestic Strugble sond conditions of the Uniform Domestic Strugble for or tariff if this is a wroter carbor shipment, which governs the transportation of this shipment.
Consigned	αТО	SUnbury Generation	street address for purposes of no	illication only.)		Subject to Section 7 of conditions, if this shipment is to be delivered to the consigner without recourse on the consignor, the consignor shall sign the following statement:
		on Delivery Stipments, the letters "COO" must appear before consignee's name or as otherwise provided OLG "Tail Rd. Street SRAMO"			6 %.	The carrier shall not make delivery of this shapment without payment of freight and all other lewful charges.
		CountyCA	State1	7876		and Company
Route		Oblivery Address Address (#To be flad in only when shipper desires and	governing sanits provide for deliv	ery thereal.)		(Signature of consignor)
		erCar or				C. O. D. Charges to be
_		very \$And Remit to				Paid by ☐ Shipper ☐ Consignes
		Street	Citv		State	If charges are to be prepoid, write or stamp here. To be Prepaid."
No. Packages	нм	Mind of Peckaga, Description of Articles, Special Marks, and Exceptions	*Weight (Subject to Correction)	Class or Rate	Check Column	
1		load water	5000	gal		Received \$ to apply
		5 32				In prepayment of the charges on the propert described hereon,
AFE#		51244				Agent of Cashier
apr4		37-115-20149				(The signature here acknowledges only the amount prepaid.) Charges Advanced:
Truck		\$104 MIKE				\$
ate	1	411R-1776				conform to the specifications set forth in the be maker's certificite thereon, and all other replication of Rule 41 of the Uniform Freight Classification and Rule 5 of the Notional Motor Freigh Classification.
NOTE Where	the rate :	nvectors point by a confer by ware, the law requires that the bill officials, a shall sake whether it is carrier's or abil- dependent on value, shippen are required to sake specifically in writing the agreed or cockiened value of the proper of waltue of the property is hareby apecifically stated by the shipper to be not exceeding	per's weight. riy.	per		Classification." †Shipper's Imprint is lieu of stamp: not a pa of bill of lading approved by the Interstat Commerce Commission.
		Shipper, Per				Agen
Permanent address of s	post-off hipper,	· Chrisspidu (son con co	-10-583)	Per		
		, L				

22

Shipper's No. SG-755

Damiani- 1	Nama:	a Tanan Manadaka	•		0	
Carrier's I		C. Ragr Trucking the classifications and tariffs in effect on the date of the issue of this Bill of lading,			Canle	er's No.
a Dia	nock	Two. (Date) 5/28/10	FROM 55	(#D / グッシッ	↑ +	
the property de throughout this or routes, or of said route Bill of Lading Shipper bereby and the said	escribed bel contract a within the to destinate set forth certifies to terms and	TWO. (Date) 5/28/10 flow, is opposent good order, except as noted feenteets and condition of contents of package as accasing any person or corporation to passession of the property under the content is contained in the property under the content is on, and as to each party at any time interrupt of all or any of said property, that even if it is not a content of the property of the result of the property of th	s unknown), marked, consigned, a precs to carry to its usual pla said desinance. It is munually service to be performed because or rull-water shipsness, or (2) to those on the back thereof, set	and destined as shi ore of delibery an orgreed, as to e ider shall be subje- the applicable me forth in the cla	own below, which said destination. I ach carrier of all act to all the term tor carrier classifier saffication or tarrif	said company the word company being understood on its own mitroud, water line, highway route or any of said property over all or any portion and conditions of the Uniform Domestic Straight tipe or that? If this is a motor carrier abligment, which governs the transportation of this shipment,
		[Mail of Sunbury Ceneration	v street address for purposes of noti	fication only.)		Subject to Section 7 of conditions, if this shipment is to be delivered to the consigner without recourse on the consignor shall sign the following statement:
		1d Prail Rd. Street SHam			City	The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.
Deamidio	"'	County D3	state178	76		
Route		County Dia Delivery Address Address (*To be filled in only when shipper desires an				
		(*To be filled in only when shipper dealres an	d governing tailfis provide for deliver	ry thereat.)	C	(Signature of consignor.)
		Car oCar o		OHI	27	C. O. D. Charges to be Pald by Shipper Consignee
		Street	City		State	If charges are to be prepaid, wrise or stamp here. "To be Prepaid."
No. Packages	нм.	Kind of Package, Description of Articles, Special Marks, and Exceptions	"Weight (Subject to Correction)	Class or Rate	Check Column	
1_		load water	5000	gal		Received \$to apply
		#2				in prepayment of the charges on the property described hereon.
AF:		51244				Ageut or Cashier
API		37-115-20149				The signature here acknowledges only the amount prepaid.) Caurges Advanced:
		,				s
	ica:	011/729				t "The fibre containers used for this abligment conform to the specifications set forth in the bo- nator's certificate thereon, and all other regularisme of Rule 41 of the Uniform Freight Chastificat
*If the shipment NOTE —Where	moves between the rate is de	een een paus by a carrer by water, the low receives that the bill of lading shall state whether it is carrier's or sh opendest on value, allippers wa required to state specifically in writing the agreed or declared value of the prop	oper's weight.			of Rule 3 of the National Motor Freight Classification." 15hipper's imprint in Heu of stamps not a por of bill of lading approved by the Intersiate Commerce Commission.
The agreed or	declared v	alue of the property is bereby specifically stated by the shipper to be not exceeding		Per		Commerce Commissions
	·	Shipper, Per				Agen
Permanent p address of s	post-office hipper,	TE 310 CT-10-586	<u></u>	Per		

	70 766
Shippers No	SG-756
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DI:	OC	C TWO . (Da	(e) 5/23/10	FROM S	RMR/Cal	oot	sald company (the word company being understr
rughout this routes, or said route t it of Lading ipper hereby d the said is	contract within the sex forth confices erms and	clow. In apparer pood order, except on noted (contents meaning any person or corporation in postession fettritury of its highway operations, otherwise to do do a not so to each pure at any time interested it of the life to the contents of	of the property noder the constructs of there to another carrier on the toute to all or any of said property, that every on the date hereof, if this is a rail of as of the said bill of lading, including accepted for himself and his assigns.	grees to carry to its estial p said destination. It is mutual service to be performed here r mil-water shipment, or (2) is those on the book thereof, s	see of delivery at by agreed, as to es- ander shall be subject to the applicable most et forth in the class	said destination, if the sarrier of all at to all the terms of carrier classifier difficution or basil	f on its own rullroad, waser line, highway so or any of said property over all or any port s and cosditions of the Uniform Demociale Steas ition or tariff if this is a motor carrier thipm which governs the transportation of this shipms
		SUnbury Generation Delivery Stripments, the letters "COO" must appear before	(Mall o	street address for purposes of no	tation only.)		Subject to Section 7 of conditions, if this ships is to be delivered to the consigner without second on the consignor, the consignor shall sign following expenses:
		on Delivery Shipmenis, the letters "COD" must appear belo DIC_Trail_RG.			:	City	The carrier shall not make delivery of shipment without payment of firight and all o lawful charges.
		County					
oute			Address Arc he filled in only when shipper desires and	governing tertitis provide for deliv	bry thereat.)		(Signalure of consignor.)
elivering	Carrie	or JCB TANS	Car or	Vehicle Initials and N	0.011/		C. O. D. Charges to be Paid by Shipper Consignee
ollect on	Delive	ery \$	And Remit to				If charges are to be prepaid, write
		Street				State	
No. Packages	нм	Kind of Package, Description of Articles,	Special Marks, and Exceptions	"Weight (Subject to Correction)	Class or Rate	Check Column	
1		load water		5000	gal		Received S
~~~		NE 92					he prepayment of the charges on the pro- described hereon.
FE.J		51244					Agent or Coshier
							(The rigarture here arknowledges only the amount prepaid.)
PI#		37-115-20149			_		Charges Advanced
ruck!	1	MITTE					
. <u>ac.,</u> .ate:		-ST ZOLA					f "The fibre containers used for this stip conform to the specifications set forth in the maker's serificate thereon, and all other require of Rule 41 of the Uniform Preight Classific and Rule 5 of the National Motor P
		week two ports by a carrier by water, the law requires that the badependent on value, shippers are required to state specifically it waite of the property is bereby specifically stated by the		per's weight. rty.			Classification.  15hipper's impoint in lien of stampt not a of bill of lading approved by the late: Commerce Commission.
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ORIGINAL - NOT NEGOTIABLE

Shipper's No. SG-767

		c. Haer Trucking		<u> </u>		Carrie	ers No.
		to the classifications and tariffs in effect on the					
at	escribed contract within to to destin set for certifies terms are	DCC. TVD.  below, in apparent good order, except as noted to a menting any person or corporation in poss- ation, and as to each party of only time interests to the till in the Uniform Freight Classification in et that he is familiar with all the terms and cost conditions are hereby opened to by the hipper of conditions are hereby opened to by the hipper	Oate) 5/25/10  onterts and condition of contents of packages soon of the property under the contracts ago to deliver to another terrier on the route to the null or any of said property. that every different contracts ago to the contract of the contract terrier on the route to the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contr	FROM  unknown), marked, consigned rea to carry to its usual said declaration, it is many service to be performed het mil-water shippated, or (2) those on the back thereof,	and destined as sho place of delivery as ally agreed, as to en tunder shall be subject in the applicable most set forth in the class	was below, which said destination, i ch currer of all the term or currier classification or tariff	said company (the word company being understood out in own railroad, next line. Mighway mote of the conditions of the Uniform Domestic Stricky s rail conditions of the Uniform Domestic Stricky dup no teriff of the is a motor carrier shapment which governs the transportation of this suprement
Consigne	σTε	SUnbury Gene	eration	street address for purposes of n	stification only.)		Subject to Section 7 of conditions, if this shipmer is to be delivered to the consigner without recount on the consignor, the consignor shall sign the following programment:
	in Collec	on Delivery Stipments, the letters TOOP must appear OLG Trail Rd.	refore consignee's name or as otherwise provided it. $SSSS$	okin Dan		0:1-	The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.
Destinatio		County	PA	State 1787		City Zip	
Route			(*To be filled in only when shipper dealess and	governing tantfa provide for deli	very thereal.)		(Signature of consignor.)
Delivering	Carri	Br	Caror'	Vehicle initials and t	No.		C. O. D. Charges to be
		ery \$					Paid by  Shipper Consignee
		Street		City		State	If charges are to be prepaid, write or stamp here, "To be Prepaid."
No. Packages	н.м.		cles, Special Marks, and Exceptions	"Weight (Subject to Correction)	Class or Rate	Check Column	
1		load water		5000	gal		Received Sto apply
		₽2					in prepayment of the charges on the proper described hereon.
3	FZ;	5124d					Agent or Cashter
•	PI:	37-115-20149				_ =	(The signature here schnowledges only the amount prepaid ) Charges Advanced:
	ruc	105					5
=======================================	ia:	a# AF72815					conform to the specifications set forth in the b- maker's certificate thereon, and all other requires of Rule 41 of the Uniform Freight Classifica and Rule 5 of the National Motor Frei,
		tween two ports by a corner by water, the law requires that it is dependent on value, shippers are required to use specifical it value of the property is hereby specifically stated it.		er's weight. Y-	per		Classification.  1Shipper's imprint to licu of stamp; not a profit of lading approved by the interstition commerce Commission.
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TRAIG	HT B	LL OF LADING—SHORT FO	ORIGINAL - NO	T NEGOTIABLE		Shipp	er's No. <u>2546</u>
rs l	Name:	Sarron Qaqaa Trucking	<b>!</b>			Carrie	er's No.
		the classifications and tariffs in effect on the date					•
at	DIn	nock Two. (Dat	_{e)} 5/29/10	FROMS	RUR/Cak	ot	
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Consigner	OTs	Johnstown Regions	ıl Sawage	en est address tor purpos as of not	fication only.)		Subject to Section 7 of conditions, if this thipme is to be delivered to the consigner without recommend the consigner shall sign to following statement:
(	On Collect o	n Delivery Shipmanis, the Letters 1000' must appear before 241 Aspahlt Rd.	i consignae's name or as otherwise provided !	nilem 430, Sec. 1. NSTOWN		City	The carrier shall not make delivery of the shipment without payment of freight and all oth- lawful charges.
		County	P.F.	StateXX			
Route		(4)	Delivery Address*	noveming to diffe provide for delive	ov thereat 1		(Signature of consignor)
Delivering	Carrie	ry \$	Car or	Vehicle Initials and N	o		C. O. D. Charges to be Paid by Shipper C Consignee
			····	City		State	If charges are to be prepaid, write of stamp here. To be Prepaid."
No. Packages	н.м.	Kind of Package, Description of Articles,	Special Marks, and Exceptions	"Weight (Subject to Correction)	Class or Rate	Check Column	
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223	4-3	AFE# 51244					Agent or Cashler
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	$\vdash$	API# 37_115_20	1.19		<del> </del>		Charges Advanced:
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	1 1	Man 22 DS	PTXXUBF	2			maker's certificate thereon, and all other requirement of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight
PLa	te!	4903/X/	1. 11 11 / / / /				
PI :		eering prote by a currier by water, the faw requires that the bill tependent on value, shippers are required to state specifically in puttle of the popperty in hereby specifically stated by th		per's weight. ny.	per		Classification."  †Shipper's imprior in lieu of stump; not a grof bull of lading approved by the Interstit Commerce Commission.

Permanent post-office address of shipper,

C. LADIMOTTO ION I FUNIM	ORIGINAL - NOT	NEGOTIABLE		Shipp	er's No. 2547
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assifications and tariffs in effect on the date of the issue	of this Bill of lading,				•
'พอ (Date) 5	/29/10	_FROMS	RWR/Cab	oot	
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County	PA			5905 Zip	
(+To be filed in o	Delivery Address Address and go	werning tariffs provide for deliver	(thereat)		(Signature of consigner.)
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load water		4520	gal		Received S
#2 [^]					in prepayment of the charges on the prog described hereon.
51244					Agent or Cashier
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5/7 /5/12/		<del> </del>	ļ		? The fibre containers used for this ship conform to the specifications set forth in the
2R1)15 8/62031	/				maker's certificate thereon, and all other requirem of Rule 4) of the Uniform Freight Classification Rule 5 of the National Motor Freight Classification.
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STRAIG	HT BII	LL OF LADING—SHORT FORM	ORIGINAL - NOT	NEGOTIABLE		Shippe	er's No. 2548
er's N	lame: 🖰	arron Käääää Trucking				Carrie	r's No.
"IVED, s	ubject to t	the classifications and tariffs in effect on the date of the Issue of	-				
at D	inoc	OK TWO. (Date) 5/2	of contents of pockages	FROMSE	OR/Cab	we below, which	mid company (the word company being understoor
throughout this or toules, or to of said route to Bill of Lading Shipper hereby and the said is	contract a within the in destination set forth curtifics the terms and	ow, in apparent good order, except as noted (contents and condition as menaling any person or experision in possessions of the proper including any person or experision in possession of the proper included as to each persy at any time interested in all or any of (1) in the Uniform Pringist Castification in effect on the control of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state	ty under the contract) agree carrier on the route to said property. Und every neaf, if this is a rail or bill of lading, including the mee's and his assigns.	res to earry to its essail pla- said destination. It is mitually service to be performed herein mil-water shipment, or (2) in hose on the back thereof, set	te of delivery at a speed, as to can der shall be subject the applicable mot forth in the class	sald destination, it che carrier of all it to all the terms or confer elastifica affication or taxiff	f on its own railroad, water live, highway rouse or any of said property over all or eny portlor and conditions of the Uniforts Domestic Strugt lon or rainf if this is a motor carner shipment which governs the transportation of this shipment
Constaned	TO_	JOhnstown Regions	sl Sewage	treet address for purposes of nox	Scation only.}		Subject to Section 7 of conditions, if this stipmer is to be delivered to the consigner without recours on the construct the executance that also the
0	n Collect on	Delivery Shipments, the letters "COO" must appear before consignee's near	na or as otherwise provided in			City	following statement:  The courier shall not make delivery of this shipment without payment of freight and all othe lawful charges.
		County	PA Delivery_	State	15906	Zip	
Route		(¥Ya be miled in on	Address	governing tariffs provide for deliver	ry thereat)		(Signature of consignor.)
Delivering	Carrier		Car or \	Vehicle Initials and No	)		C. O. D. Charges to be
Collect on	Delive	ry \$	And Remit to				☐ Shipper ☐ Consignee
		Street		City		State	If charges are to be prepaid, write c stamp here, "To be Frepaid."
No. Packages	H.M.	Kind of Package, Description of Articles, Special Marks, ar	nd Exceptions	Weight (Subject to Correction)	Class or Rate	Check Column	
1		load water		4620	cal		Received \$ to app
		#2					in prepayment of the charges on the proper described hereon.
							Agent or Castier
AFO	-	51244		<del>                                     </del>	-		Per (The signature here ocknowledges only the senount prepaid.)
<u>lsk</u>		37-115-20149					Charges Advanced:
TRu	eis:	B/7 R1125		İ			t "The fibre containers used for this shipme
,		100 15 FT 100	310				conform to the specifications set forth is the be maken's certificate thereon, and all other requirement
PL 3	moves bery	continuous by a counter by water, the law requires that the bill of lading shall store pendent on value, shippers are required to stone specifically in writing the agreed	te whether it is corrier's or shipp or declared value of the propert	er's weight.			of Rule 41 of the Uniform Freight Classificate and Rule 5 of the National Motor Freig Classification.  †Shipper's imprint in lieu of stamp; not a pr
		alus of the property is hereby specifically stated by the shipper to be		·	per	•	of hill of lading approved by the Intersia Commerce Commission.
	Ha.	an How Shipper,	Per	····			Ager
Permanent p					Per		

STRAIG	HTBIL	L OF LADING—SHORT F	ORM ORIGINA	al - not negotiable		Shipp	er's No. <u>2549</u>
Carrier's		Barron Trucking				Carrie	er's No.
RECEIVED,	subject to the	classifications and tariffs in effect on the dat	e of the issue of this Bill of lad				
et I	imoc	k Twp.	_{te)} 5/29/10	FROM	SRWR/Cat	oot	
the property of throughout this or routes, or of sald come Bill of Lacing Shipper hereby and the said	escribed below contract as within the te to destination, set forth (1 certifies that terms and co	In apparent pood order, except as noted (coursetting any person or ecoporation in possible to another the highway operations, otherwises to said as to each garry at any time interested in la the Uniform Frieght (Classification in effect he is familiar with all the terms and condition to the entry agreed to by the Shipper and	nts and condition of contents of a of the property under the conferer to nother carrier on the hall or any of said property, on the date hereof, if this is no of the said hill of lading, accepted for himself pad his a	packages unknown), marked coas- named; agrees to carry to its at- route to said destination. It is that every service to be performed a rail or rail-water shipment, or including those on the back ther stigns.	igned, and destined us st used place of delivery at mutually agreed, as to a threunder shall be subj fit in the applicable in rol. set forth in the ch	own below which said destination, said destination, sach courier of all the term of correct classification or tariff	said company the word company being understood ones of the control water line. highway root ones of the conditions of the Uniform Domestic Straighton or card If the is a motor career skipmen which go error the uniform of this samper chick go error the uniform of this samper chick go error the unsupportation of this samper.
Consigne	dTO_	Johnstown Regiona	1 Sewage	(Mail or street address for purpose	s of notification only.)		Subject to Section 7 of conditions, if this simpmer is to be delivered to the consignor without recours on the consignor that sign the following statement:
~ (	On Collect on D	alivery Shipments, the latters "COD" must appear befo	re consignae's name or as otherwis				The emrier shall not make delivery of this shipment without payment of freight and all other
Destination	n <u> </u>	<u> 41 Asphalt Rd.                                    </u>	Street	Joanstown		City	lawful charges.
		County	PR	State	15906	Zip	
Douto			Delivery Address	*			1
HO016		(	*To be filled in only when shipper d	esires and governing tariffs provide to	r delivery thereal.)		(Signature of consignor.)
Delivering	Carrier_			Caror Vehicle Initials a	nd No		C. O. D. Charges to be
Collect or	Delivery	\$	And Remit	to			☐ Shipper ☐ Consignee
		Street		Ch	γ	State	If charges are to be prepoid, write o stamp here. To be Prepaid.
No, Packages	н.м.	Kind of Package, Description of Articles,	Special Marks, and Exceptions	"Weight (Subj to Correction	ect Cless or Rate	Check Column	
1		load wa	ter	4620	gal		Received S to appling prepayment of the charges on the propert
			<u>#</u> 2				described bereon.
	.,,,	51044					Agent or Couhier
	22岁	51244				<del></del>	(The signature here acknowledges only the amount prepaid.)
a ·	T#	<u>37-115</u> -	20149			<u> </u>	Charges Advanced:
e.	ا **مرد	BIL & BW:	ST				† The fibre containers used for this shipsre-
0:		7F73454 8 X	EJ. 9960				conform to the specifications set forth in the ho maker's certificate thereon, and all other requiremen of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification.
NOTE -When	the rate is depe	two points by a currier by water, the low requires that the bindest on valou, shippers are required to state specifically it se of the property is preven specifically stated by the	writing the agreed to declared value of	er's or shipper's weight. I the property,	per		Shipper's imprint in lieu of stampt not a pu of bill of lading approved by the interstal Commerce Commission.
		alephan	Shipper, Per				Ager

STRAIG	HTBIL	L OF LADING-SHORT FORM	ORIGINAL -	NOT NEGOTIABLE		Shipp	er's No. <u>2550</u>
ers	Name:	Sarron Trucking				Carrie	r's No.
IVED,	subject to ti	ne classifications and tariffs in effect on the date of the	issue of this Bill of lading,				
-4	DIme	ock Two.	5/29/10	EDOM S	פוזפ / כבו	hat	
the property of	lescribed belo	w. In apparent good order, except as noted (contents and	condition of contents of packs	ges unknown), marked, consigned.	and destined as she	rwa below, which	said company tibe word company being understood
or source, or of said route Bill of Lading Shipper hereby and the said	within the to destination set forth certifies th terms and c	CA TWC .  w. In apparent good order, except as noted (contents and meaning any person or composition in possession of the territory of its laghway operation, under using the content and to core, party at aby time lawrented in all or care, party at aby time lawrented in all or care party at aby time lawrented in all or at the size familiar with all the terms and conditions of the onditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the condition	properly insert the constant properly insert on the route any of said property, that ex data better, it this is a rail for all bill of loding, including for almost and his assigns.	agrees to task to its student on said destination. It is mutually ery service to be performed hereis or suit-water shipment, or (2) in ng those on the back thereof, so	the opposit at the subject of the population of the population of the classic forth in the classic forth in the classic forth in the classic forth in the classic forth in the classic forth in the classic forth in the classic forth in the classic forth in the classic forth in the classic forth in the classic forth in the classic forth in the classic forth in the classic forth in the classic forth in the classic forth in the classic forth in the classic forth in the classic forth in the classic forth in the classic forth in the classic forth in the classic forth in the classic forth in the classic forth in the classic forth in the classic forth in the classic forth in the classic forth in the classic forth in the classic forth in the classic forth in the classic forth in the classic forth in the classic forth in the classic forth in the classic forth in the classic forth in the classic forth in the classic forth in the classic forth in the classic forth in the classic forth in the classic forth in the classic forth in the classic forth in the classic forth in the classic forth in the classic forth in the classic forth in the classic forth in the classic forth in the classic forth in the classic forth in the classic forth in the classic forth in the classic forth in the classic forth in the classic forth in the classic forth in the classic forth in the classic forth in the classic forth in the classic forth in the classic forth in the classic forth in the classic forth in the classic forth in the classic forth in the classic forth in the classic forth in the classic forth in the classic forth in the classic forth in the classic forth in the classic forth in the classic forth in the classic forth in the classic forth in the classic forth in the classic forth in the classic forth in the classic forth in the classic forth in the classic forth in the classic forth in the classic forth in the classic forth in the classic forth in the classic forth in the classic forth in the classic forth in the classic forth in the cl	sch earler of all et to all the term our carner classifica scification or tariff	or any of said property over all or any portion and conditions of the Uniform Dementer Straight tion or tent? If this is a motor carrier simplest which governs the eransportation of this shipment.
		JOhnstown Region: Desivery Shipments, the letters "COD" must appear before consign	h	r or ended annual or borhones at war	fication only.)		is so be delivered to the consigner without recourse on the consignor, the consignor shall sign the following statement:
		11 Asphelt RG.				City	The carrier shall not make delivery of the shipment without payment of fieight and all othe lawful charges.
Desinanc			_	State			
		County	Dellvery_ Address*_	State		21p	
Houte		(★To be f	led in only when shipper deakes	and governing tentte provide for delive	ry therest.)		(Signature of consignor.)
Delivering	Carrier		Car	or Vehicle Initials and No	0		C. O. D. Charges to be
							Paid by □ Shipper □ Consignee
Collect or	1 Deliver	y \$	And Remit to _				
		Street		City		State	If charges are to be prepaid, write or stamp here. To be Prepaid."
No. Packages	H.M.	Kind of Package, Description of Articles, Special I	lerks, and Exceptions	"Weight (Subject to Correction)	Cless or Rate	Check Column	
1		load water		4820	gal		Received 5 to appl
		#2			1 .		in persyment of the charges on the propert described herron.
	+	ii Z					Agent or Cashier
AFE	14	51244					Per
							(The signature here acknowledges only the amount preprid.)
API	: 1	37-115-20149			<u> </u>		Charges Advanced:
Tru	iek (	B-16 BWST	<b></b>				\$
Pur		4673481 XE	7996 B				conform to the specifications set forth in the bo molecular centificate thereon, and all other requirement of Rule 41 of the Uniform Feright Classification and Rule 5 of the National Motor Freigh
"If the shipmen	moves between	en two borts by a carrier by water, the low requires that the bill of lading pendent on value, shippers are required to rate specifically in writing of	shall stone whether it is carrier's or	shipper's weight.	<u> </u>	L	tShipper's imprior to lieu of stame not a on
		due of the property is hereby-specifically stated by the shippe	-		per		of bill of lading approved by the laterated Commerce Commission.
7	5 , 2						
<u> </u>		Sni Sni	oper, Per		<del> </del>		Ager
Permanent address of s	post-office shipper,				Per		
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STRAIG	HTE	BILL OF LADING—SHORT FORM	ORIGINAL - NOT	NEGOTIABLE		Shipp	er's No. <u>3G-768</u>
	_					<i>(3)</i>	er's No. 3G-768 CPU6704
Carrier's I						Carrie	r's No.
		to the classifications and tariffs in effect on the date of the			an::::	10-1	
at		DImock Twp. (Date)	5/29/10	FROM	SRWK	/Cabot	
the property de throughout this or routes, or of said toute Bill of Lading Shipper hereby and the said t	eontract eontract within to to destin set for centifies terms an	DIMOCK TWO e (Date)  below. In copacen 2004 order, except as noted (content and at meaning any perioe or cooperation in pacterists on of the certificaty of its laglaway operations, observities to deliver to ation, and as to each pury at any time interreted is all or (1) in the Uniform Praying Classification in effect on the part is facilities with the content as document of the content and positions are hearby speed to by the shipper and accepted	condition of contents of packages as property under the content) agree another carrier on the route to say any of said property, that every a date betted, if ther is a rail or t e said bill of lading, including the for himself and his assigns.	aknown), marked, consigned, a es 10 carry to its usual pla and destination. It is musually crylice to be performed kerrels rail-water shipment, or (2) in ose on the back thereof, set	ral destined as sho se of delivery at agreed, as to ea der shall be subject the applicable mot forth in the class	wa below, which said destination, is the enrier of all it to all the term or carrier classification or tariff	and company the word company being understood on its own malroad, water line, highway more or any of said property over all or any portuon is and conditions of the Uniform Domestic Studies also or tariff if this is a motor carrier shipment, which governs the transportation of this adjuncts.
Consigned	ıΤΟ	SUnbury Generation on Delivery Shipments, the letters "COD" must appear before consign	(Mail or atr	reet address for purposes of notif	(cation only.)		Subject to Section 7 of conditions, if this shipment is to be delivered to the consigner without recourse on the consigner, the consigner shall sign the following statement:
Destinatio	n	Olo Trail RG.	Street SHa	mokin Dam		City	The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.
		County(ATO be fit	PA	_State178	76	Zip	H.
Route		(ATo be fit	Address*	werning takfils provide for deliver	/themal.)		(Signature at consignor.)
Delivering	Carri	erer	CarorV	ehicle Initials and No	•——		C. O. D. Charges to be Paid by Shipper Consignee
		Street		Citv		State	If charges are to be prepaid, write or stamp here. To be Prepaid.
No. Packages	н.м.	Kind of Package, Description of Articles, Special k		"Weight (Subject to Correction)	Class or Rais	Check Column	
1		loaā water		6800	ga1		Received \$ to apply
		#2			]		in proportion of the charges on the property described beroon.
afe#		51244					Agent or Coshier .
API%		37-115-20149					The signature here acknowledges only the amount prepaid.)  Charges Advanced:
Truc	¥7.15	626					t The fibre considers used for this shipment
PLat	e#	P+5281H					conform to the specifications see forth in the hor maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Preight Classification and Rule 5 of the National Source Preight
NOTE Where	the rate is	ween two ports by a carrier by water, the law requires that the bill of loding dependent on value, shippers are required to state specifically in witing the value of the property is hereby specifically stated by the shipper	e agreed or declared value of the property.	s weight.	-776	,	Classification."  †Shipper's imprint in flets of atamp; not a part of hill of lading approved by the interstate Commerce Commission.
			per, Per		Kox	re	₹ EAgent

^arrier's !		OU HITTER CHINOTICAL			Carrle	n's No.Box#131148
		the classifications and tariffs in effect on the date of the Issue of this Bill of lading,				
the property of throughout this or rouses, or of said rouse Bill of Locky	of contract within the destination see fortification of the contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contra	stown in apparent good order, except as poted (contents and condition of contents of pecks as meaning any perion or corporation in postession of the preparity under the construct to territory of its highway operations, otherwise to different to another carrier to the route tions, and so to each goary at any time interested in all or any of sail property, that me to this period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period	FROM  gex unknown), marked, consigning agrees to easily to its usual to said destination. It is multiple said to said destination. It is multiple to be performed or grail-water salignment or 12 may those me the host blead	SPVIR/Ca  and destrued as short place of delivery at tually agreed, as to eat terrunder shall be soulice to the applicable motion to the applicable motion to the applicable motion to the applicable motion	vs below, which and destination, is all the terms of all the terms or carrier classifies or tartiff	said curryany (the word company being understood or my or mileson, where the highway route or my or my property will or any design to the control of the biform Domesta Springle to the control of the biform Domesta Springle
and the said	terms and	conditions are hereby agreed to by the shipper and accepted for himself and his assigna-	or street address for purposes of	notification ontv.)		Subject to Section 7 of conditions, if this shipment
Consigned	OT b	SUnbury Genewration				is to be delivered to the consigner without recourse on the consignor, the consignor shall sign the following stricement:
		on Delivery Shipments, the letters "COO" must appear before consignee's name or as otherwise provided the Cook of the Cook of the Cook of the Cook of the Cook of the Cook of the Cook of the Cook of the Cook of the Cook of the Cook of the Cook of the Cook of the Cook of the Cook of the Cook of the Cook of the Cook of the Cook of the Cook of the Cook of the Cook of the Cook of the Cook of the Cook of the Cook of the Cook of the Cook of the Cook of the Cook of the Cook of the Cook of the Cook of the Cook of the Cook of the Cook of the Cook of the Cook of the Cook of the Cook of the Cook of the Cook of the Cook of the Cook of the Cook of the Cook of the Cook of the Cook of the Cook of the Cook of the Cook of the Cook of the Cook of the Cook of the Cook of the Cook of the Cook of the Cook of the Cook of the Cook of the Cook of the Cook of the Cook of the Cook of the Cook of the Cook of the Cook of the Cook of the Cook of the Cook of the Cook of the Cook of the Cook of the Cook of the Cook of the Cook of the Cook of the Cook of the Cook of the Cook of the Cook of the Cook of the Cook of the Cook of the Cook of the Cook of the Cook of the Cook of the Cook of the Cook of the Cook of the Cook of the Cook of the Cook of the Cook of the Cook of the Cook of the Cook of the Cook of the Cook of the Cook of the Cook of the Cook of the Cook of the Cook of the Cook of the Cook of the Cook of the Cook of the Cook of the Cook of the Cook of the Cook of the Cook of the Cook of the Cook of the Cook of the Cook of the Cook of the Cook of the Cook of the Cook of the Cook of the Cook of the Cook of the Cook of the Cook of the Cook of the Cook of the Cook of the Cook of the Cook of the Cook of the Cook of the Cook of the Cook of the Cook of the Cook of the Cook of the Cook of the Cook of the Cook of the Cook of the Cook of the Cook of the Cook of the Cook of the Cook of the Cook of the Cook of the Cook of the Cook of the Cook of the Cook of the Cook of the Cook of the Cook of the Cook of the Cook of the Cook of the Cook of the Cook of		ໄລ m	0	The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.
Destinatio	on	Street Street	O. I.	17276	City	imin their
Davida		County Delivery Address  (*To be filled in only when although desires:	State	17073	Zip	
Houte		(*To be filled in only when shipper desires:	and governing lariffs provide for d	efivery thereal.)		(Signature of consignor)
Delivering	Carrie	erCar	or Vehicle Initials and	No		C. O. D. Charges to be
Collect on	Delive	ery \$ And Remit to				Paid by  ☐ Shipper ☐ Consignee
						If charges are to be prepaid write or storm here. To be Prepaid.
No.	1-1	Street	City "Welght (Subject		State	stamp here. "To be Proposa."
Packages	HJM.	Kind of Package, Description of Articles, Special Marks, and Exceptions	to Correction)	or Rate	Column	
1		load water	6300			
	<del>                                     </del>	1040. 4/2091	0.300	<del>- -221 </del>		Received 5 to apply in prepayment of the charges on the property described hereon.
		<b>≝</b> 2				VIVIDED SHITCH
					•	Agent or Cashler
AFE	-	51244				Per
API	. []	37-115-20149				the amount prepaid.) Charges Advanced:
				<del></del>		
TRU	<u> </u>	TR 625				1 "The fibre containers used for this shipmen
P.La		AF- 57940				conform to the specifications set forth in the bo- maker's certificate thereon, and all other requirement of Rule 41 of the Uniform Peright Classification and Rule 3 of the National Motor Preight Classification."
"If the shipment NOTE Where	moves bety the rate is	ween two ports by a carrier by water, the law requires that the bill of lading shall state whether it is confer's or dependent on value, shippers are required to state specifically to writing the agreed or declared value of the pr	shipper's weight. operty.			d 5hipper's imprist to lieu of stamp; not a par of bill of lading approved by the inverstal
The agreed or	r declared	value of the property is hereby specifically stated by the shipper to be not exceeding		P#F	1 1	Conumerce Commission.
		Shipper, Per		Kan	de He	Agen
Permanenti					0	Ageil
address of s	hipper,	· · · · · · · · · · · · · · · · · · ·	<i>7</i> 1	Per		
			<u></u>			

ORIGINAL - NOTNEGOTIABLE

Shipper's No. SG-770

Carrier's	Name:	បន	Environa	ental				Carrie	ers No. Bol # 131/47
RECEIVED,	subject to	the classifications	and tariffs in effect on t	he date of the issue of this Bill of	lading.				
at	DIm	ock Twp	•	(Date) 5/29/10		FROM	SRWR/C	abot	
the property di throughout this or coutes, or of said muse Bill of Ladiag Shipper hereby and the said	escribed be constact within the to destinate set forth certifies t terms and	iow, in apparent go; as meaning any per territory of its high ion, and as to each it; in the Uniform that he is familiar conditions are hereby	od order, except as noted seen or corporation in p cheway operations, otherwise party of any time inter a Freight Classification in with all the terms and y egreed to by the shipp	constants and condulton of contents assessions of the property under the societies of deliver to another corrier on the state of the said property effect on the data bereof. It this conditions of the said bill of ladit er and accepted for insuelf and the	of packages unking contract) agrees the route to said the true to said the route to said the route are roll or rating, including those is assigns.	nown). marked, consigned to carry to its assign destantion. It is men- tice to be performed be- water shipment, or (2): on the back thereof,	, and destined as ah place of delivery at ally agreed, as to extended shall be subjected in the applicable make forth in the classification.	own below, which said destination, is and control of all sect to all the term for classification or tariff	said company (the word company being understood of on its own manoed, water line, highway sould or any of said property over all or any portion is and conditions of the Uniform Domestic Saught soon or courf if this is a soutor careful signment, which governs the transportation of this this pre-
				iry Generatio	[Mail or stres	Caddress for purposes of r	oblication only.)		Subject to Section 7 of conditions, if this shipment is to be delivered to the consigner without recourse out the consignor, the consignor shall sign the following systemate
Destinatio	n	Old Tr	ail Rd.	Street	Sä	<u>lamokin D</u>		City	The earrier shall not make delivery of this shipment without payment of freight and all other lawful charges.
Davida			County	PA Delive Addre  F+To be filled in only when shippe	вгу	State	17876	<b>Zi</b> p	
ноите				(*To be filled in only when shippe	er desires and gove	ming tariffs provide for del	very therest)		(Signature of consignor.)
									C. O. D. Charges to be
Collect on	Dalive	ry \$		And Rem	nit to				Paid by □ Shipper □ Consignee
			Street			City_		State	If charges are to be prepaid, write or stamp here. To be Prepaid."
No. Packages	н.м.	Kind	of Package, Description of	Articles, Special Marks, and Exceptions		Weight (Subject to Correction)	Class or Rate	Check Column	
			load wat	er	·	6300	gal		Received \$ to apply in prepayment of the charges on the property
				<b>#2</b>					described hereon.
AFE			<u> </u>						Agrel or Cashier
API	1			20149					The signature here acknowledges only the amount prepaid.1 Charges Advances:
Tru	pk#	TR 6	25						5
PLa	ta:	AF- 5	7940		-				conform to the specifications set forth in the b- rusker's cartificate thereos, and all other requirem- of Rule -11 of the Uniform Freigh Classifica- and Rule 5 of the National Motor Freig.
MOLE Myeus	the rate is d	ependent on Value, ship;	pers are required to state speci	u the bill of Lading shall state whether it is o cally in rusting the agreed or declared val- el by the shipper to be not exceeding	lue of the property.	seight.		·	Classification:  †Shipper's imprim to lieu of stamp; not a part of bill of lading approved by the interstate Commerce Commission.
and with section	escured v			Shipper, Per			Ka	udy He	essel Agent
Permanent p		•					Per		- -
					۲]				

STRAIG	HIB	LL OF LADING—SHORT FORM	ORIGINAL - NO	OT NEGOTIABLE		Shipp	ers No. SG-771
^ vier's N	lame:	US Environmental				B	19096436
VED o	white to	the development and truffe in allest on the date of the	issue of this Bill of lading,			Ount	3110.
at Dim	nock	TWO. (Date)	5/29/10	FROM	SRHE	/cabot	•
the property de- throughout this or coutes, or of said coute to Bill of Lading Shipper hereby and the said to	scribed bell contract a within the to destinate set forth certifies the trms and	ow. In apparent good order, except as noted incutent and as treating any person or couporation in possession of a territory of its highway persons, and on the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of t	condition of consents of packages expreperty trader the contract) as a snother earner on the route to any of said property, that every date hereof, if this is a rail of the said bill of loding, including of for hinself and his nations.	unknown), marked, consigned, grees to carry to its usual pli- said destination. It is mutually service to be performed heres or rail-twater shipment, or (2) in those on the back thereof, se	and destined as shower of delivery at a greed, as to end ander shall be subject the applicable most torth in the class	on below, which said desination, if he carrier of all to to all the terms or carrier classifies affection on tariff	said company (the word company being understood) or any of said property over all or any ports and conditions of the Uniform Domeste Straigh ition or teriff if this is a ruster carrier shipment which governs the transportation of this shipment
		Sunbury Ceneration Dailvery Shipments, the latters 'COO' must appear before consistency			ification only.)		Subject to Section 7 of conditions, if his shipmers is to be delivered to the consigner without recouns on the consignor, the consignor shall sign the following statement:
0	n Collect or	Dislivery Shipments, the latters "COD" must appear before consi	mee's name or as otherwise provided	in flam 430, Sec. 1.			following statement.  The carrier shall not make delivery of this shipment without payment of fleight and all other
Destination	ո <u> </u>	lā trail Rā.	Street	SHamokin Da	m	City	lowful charges.
		County	PA	State	17876	Zip	
Route		County(*Tobe	Delivery Address*				
		(*Tobe	filled in only when shipper desires and	i governing tariffs provide for delive	ry thereat.)		(Signature of consignor.)
Delivering	Carrier		Caro	Vehicle Initials and No	o		C. O. D. Charges to be
		ry \$					Paid by ☐ Shipper ☐ Consignee
	,	Street			···	State	If charges are so be prepaid, write o storm here. To be Prepaid,
No. Peckagas	н.м.	Kind of Package, Description of Articles, Specia	Marks, and Exceptions	"Weight (Subject to Correction)	Class or Rate	Check Column	
		load water		(CCC)	gal		Received 5 to app
		#2					Received 5 to applie properties on the propert described hereon.
72#		<u> </u>			1		Agent or Cashier
PIS		37-115-20149					(The signature here acknowledges only the amount pretrict.) Charges Advanced:
ruck#		626	· · · · · · · · · · · · · · · · · · ·				t The fibre containers used for this shipmen
Jaÿ	5	P48381H				· · · · · · · · · · · · · · · · · · ·	The flore constitutes used for this supprise conform to the specifications set forth in the be maken's cartificate thereon, and all other requiremen- of Role 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freig Classification."
NOTE Where	the mie is do	es two ports by a currier by water, the law requires that the bill of lodi spendent on value, shappers are required to saide specifically in unsing alue of the property is hereby specifically stated by the shipp	the agreed or declared value of the propi	oper's weight. erty.			Classification."  1Shipper's imprint in ties of stamp; not a pa of bill of lading approved by the leterstat  Commerce Commission.
agraca or			ipper, Per		K	mo	Ager
Permanent p	ost-office ripper,				Per		<u> </u>
				л			

Shipper's No. 33-772

Carrier's	Name:	US Enviironment	al			Carrie	er's No. 130372
		o the classifications and tariffs in effect on the date	of the issue of this Bill of lading,				
at Di	nocl	Clew, in apparent good order, except as noted too tens as meaning any person or corporation in postession excepts as as the content of its lightway negations, otherwise to de thou as as the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of	e) 5-29-10	FROM_SRH	R/Cabo	t	
the property di throughout this	escribed b	clow, in apparent good order, except as noted (contents as meaning any person or corporation to possession	of the property under the contents of	a unknown), murked, consigned, a agrees to easy to its usual pla	and destined as show of delivery at	own below, which said destination, i	sold company the word company being understood on its own rulload. Water line, highway rou
of said route Bill of Lading	to destino	tion, and as to each party at any time interested in h (1) in the Uniform Freight Classification in effect	all or any of and property, that every on the date hereof. If this is a rail	y acrvice to be performed hereus or sull-water shipment, or (2) in	ider shall be subjective applicable me	ect to all the term toe corrier classifier	or any or said conditions of the Uniform Demestic Straigh
sud the said	certifies terms and	that he is familiar with all the terms and condition conditions are hereby agreed to by the shipper and	s of the said bill of lading, including accepted for himself and his onsigns,	those on the back thereof, set	forth in the cla	stification or smill	which governs the transportation of this shipmen
		Sunbury Generati	(With the	tion to essequia rot assistants v	ication only.)		Is to be delivered to the consigner without recom- on the consigner, the consigner without recom-
_ (	On Callect (	on Delivery Shipments, the letters "COD" must appear below	econsignee's hame or as otherwise provided				The corder shall not make deliver of d
Destinatio	ก	Old Trail Rd.	Street	Shamok	<u>in Dam</u>	City	shipment without payment of freight and all of lawful charges.
		County	<u> </u>	State1787	6	Zip	1
Route	•	County(s	Address★			•	
		. (4	To be filled in only when shipper dealess are	d governing textits provide for deliver	y thereal.)		(Signature of consignor.)
Delivering	Carrie	er	Car or	r Vehicle Initials and No	· <del></del>		C. O. D. Charges to be
Collect or	Delive	ery \$	And Remit to				Pald by ☐ Shipper ☐ Consignee
		• • • • • • • • • • • • • • • • • • • •					If charges are to be prepoid, write
	<del>;</del>	Street		City		State	stamp here, "To be Prepaid."
No. Packages	H.M.	Kind of Package, Description of Articles,	Special Marks, and Exceptions	*Weight (Subject to Correction)	Class or Rate	Check Column	l
							-
_1		load water		5 <b>0</b> 00	gal		Received \$to ap
	1 1	<u></u>					in prepayment of the charges on the prope described betton.
	$\vdash$	<u> </u>			<b>_</b>		
							Agent or Cashier
<u>RFZ#</u>	$\vdash$	51244			<u> </u>		Per The signature here acknowledges only
3 3 7 11		77 445 00446			}		the amount prepaid.) Charges Advanced.
API#	1-	37-115-20149			<del> </del>		Charges Advinteds.
F*****	1	1,20 1/168			1		\$
<u> Trup</u>	<del>  </del>	070 70-0	<del></del>	<del></del>	-		t "The fibre containers used for this shipmi conform to the specifications set forth in the b
إجاد	<b>.</b>	NT 418 74	·		1		maker's certificate thereon, and all other requirement of Rule 41 of the Uniform Freight Classificated Rule 5 of the National Motor Freight
		ween two ports by a carrier by water, the law requires that the bill dependent on value, shippers are required to state specifically in	of lading shall state whether it is carrier's or shi	pper's weight.		!	and Rule 5 of the National Motor Free Classification." #Shipper's impelot in lieu of stamp; not a p
		value of the property is hereby specifically stated by the		ay.	per		of bill of lading approved by the Interst Commerce Commission.
					<u> </u>		
			_Shipper, Per			1	Age
Permanent	ost-offici	8			1	win Il	
address of s		-			Per //	1	o F
				<u> </u>	· ·		′
				L			

Shipper's NoSG-773

≏arrier's f	Name:	US Environmental		BOL # 1	30797	Z_ Carrie	r's No
		o the classifications and tariffs in effect on the date of	the issue of this Bill of lading,			Carrio	
at Di	moc	k Two. (Date)	5-29-10	FROM_SR/i	R?Caboi	<u> </u>	
the property de throughout this or routes, or of said route Bill of Lading Shipper bereby and the said	escribed to contract within the to destine set fort certifies terms and	whow, in appearat good order, except as noted tecnsess as meaning any person or corporations to person the contract of the large person of the contract of the large person of the contract of the large person of the contract of the large person of the contract of the large person of the large person of the large person of the large person of the large person of the large person of the large person of the large person of the large person of the large person of the large person of the large person of the large person of the large person of the large person of the large person of the large person of the large person of the large person of the large person of the large person of the large person of the large person of the large person of the large person of the large person of the large person of the large person of the large person of the large person of the large person of the large person of the large person of the large person of the large person of the large person of the large person of the large person of the large person of the large person of the large person of the large person of the large person of the large person of the large person of the large person of the large person of the large person of the large person of the large person of the large person of the large person of the large person of the large person of the large person of the large person of the large person of the large person of the large person of the large person of the large person of the large person of the large person of the large person of the large person of the large person of the large person of the large person of the large person of the large person of the large person of the large person of the large person of the large person of the large person of the large person of the large person of the large person of the large person of the large person of the large person of the large person of the large person of the large person of the large person of the large person of the large person of the large person of the large person of the	and condition of contents of pack the property under the contract to another currier on the route of any of said property, that is the date hereof. If this is a riof the said bill of lading, inclue cotted for himself and his assiens.	anges onknown), marked, consigned at ) agrees to easy to be usual pixe; to said destination. It is mutually service to be performed hereunial or rail-water abjorness, or (2) is ling those on the back thereof, see	ed destined as sho e of delivery at agreed, as to ea- fer shall be subjec- the applicable most forth in the class	we below, which sold destination. If the carrier of all of the carrier of all of the carrier classification or ratiff	and company (the word company being understood on its own Sillrand, water line laghway rouse on any of said property over all or any portion and conditions of the Uniform Demestic Straight ion or traff if that is a motor carrer shipment, which governs the transportation of this stipment.
0	<b>Т</b> О	Sunbury Cenwaratio	ددر اw:	as or street a doress for purposes or notifi	cation only.)		Subject to Section 7 of conditions, if this shipment is to be delivered to the consigner without recourse on the consignor, the consignor shall sign the following statement:
		on Delivery Shipments, the letters "COO" must appear before co					The carrier shall not make delivery of this shipment without payment of freight and all adier lawful charges.
Destinatio	n	Old Trail Rd.	Street	<u> </u>	73.7	City	movini campes.
		County	Delivery_	State 1 / 3 / 5		ZIp	
Route		County(*To	be filled in only when shipper desires	and governing tariffs provide for deliv	therest)		(Signature of consignor.)
		er		_			C. O. D. Charges to be
Collect on	Deliv	ery \$	And Remit to _		***		Paid by ☐ Shipper ☐ Consignee
		Street		Citv		State	If charges are to be psepald, write or stamp here, "To be Prepald."
No. Packages	нм.	Kind of Package, Description of Articles, Spa	cial Marks, and Exceptions	"Weight (Subject to Correction)	. Class or Flate	Check Column	
1		load water		6000	cal		Received \$ to apply
		#2					Received S
1/							Agent or Cashier
AFE?		51244					Per
Y5I]		37-115-20149					the amount prepaid.) Charges Advanced:
Truc	 	621					t The fitne containers used for this shipment
lat	2:3	XBC7420					conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight
*If the shipment NOTE Where	moves bet the rate is	exceen two ports by a carrier by water, the lew requires that the bill of dependent on value, shippers are required to state specifically in write	ading shall state whether it is enerier's or ing the agreed or declared value of the p	r shipper's weight. property.			Classification."  1Shipper's impedit in lieu of stamp; not a port of bill of lading approved by the interstate
The agreed or	declared	value of the property is hereby specifically stated by the si	apper to be not exceeding	<del></del>	per		Compete Contains sion.
			Shipper, Per				Agen
Permanent paddress of s		ce			Per		
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	,	to the classifications and tariffs in effect on the date					
at_ Di	noc	k Two. Date	5-29-10	FROM91	RUP/Can	ct	
the property de throughout this or routes, or of said route Bill of Lading Shipper hereby and the said	eoribed in eoritmen within the to destin set for certifies terms one	Charles a popular pood order, except as soled (contents as meaning any persons or corporation in possession to territory of its lightway operations, otherwise to dell auton, and as to cots party at any time interreted in the 111 is the Uniform Freight Chaslicoson in effect that he is familiar with 48 the terrers and conditions of the conditions or hereby care to be the lightest and the conditions or hereby agreed to by the slipper and	is and condition of contents of suchase of the property insular the contents wet to another carrier on the tonite all or any of said property, that ey in the date hereof, if this is a rail of the said bill of kading, includif excepted for himself and his assigns.	ges unknown), morked, consigned, signess to corry to its usual place to taid destination. It is mutually service to be performed here or rail-water adjuncted, or (2) is those on the back thereof, se	and destined as sho acc of delivery at y agreed, as to es rader shall be subje the applicable who es forth to the class	rem below, which a said destination, if sch carrier of all et to all the terms tor corrier classifica- saftention or tanif	add company tibe word company being understood on the own relevad, water time, highway route et any of said property over all or any portion is and conditions of the Uniform Domestic Straightion of the Uniform Domestic Straightion or tentif if that is a smoor carrier shipment, which governs the transportation of this shipment,
Consigner	4TO	Sunbury Generation	(Ma/	or street address for purposes of no	lification only.)		Subject to Section 7 of conditions, if this shipment is to be delivered to the consignor without recourse on the consignor, the consignor shall sign the following statement:
		Old Trail Rd.			ookin r	am Cilv	The corrier shall not ranke delivery of this shipment without payment of freight and all other lawful charges.
Desinano	**	County	AC	State 17	978	Zip	
Boute		County(*	Delivery Address *	State	<del>y</del>		
		/- 3 - ×	To be filled in only when shipper desires	and governing tariffs provide for delive	ery thereal.)	ا سر دسب	(Signature of consignor.)
Delivering	Carri	or VCB TRHUS"	Car	or Vehicle Initials and N	0011 f.	TZG	C. O. D. Charges to be
Collect on	Deliv	ery \$	And Remit to				☐ Shipper ☐ Consignee
		O. mark		60		0	If charges are to be prepaid, write or stamp here. "To be Prepaid."
No. Packages	H.M.	Street Street	pecial Marks, and Exceptions	City City *Weight (Subject to Correction)	Class or Rate	Check Column	
	<del>                                     </del>						
1		load water		5000	gal		Received 5to apply
		#2					in prepayment of the charges on the propert described herron.
"							Agens or Cashier
<u>afe#</u>		51244					Per
API;		37-115-20149					the amount prepaid.) Charges Advanced:
Truck	3	011/729					t "The fibre containers used for this shipmer
Late		ATZOIN					conform to the specifications set forth in the bo matter's certificate thereon, and all other requirement of Rule 41 of the Uniform Feeight Classification and Rule 5 of the National Motor Freigh
NOTE -Where	the rule in	tween two ports by a carrier by water, the law requires that the bill is dependent on value, shippers are required to state specifically in a five value of the property is hereby specifically stated by the	witing the agreed or declared value of the pr	shipper's weight. operty.	per		Classification."  1Skipper's imprint in fice of stamp; not a pa of bill of lading approved by the Interstal Commerce Commission.
			Shipper, Per				Ager
Permanent r	oost-off						
address of s					Per		
				리 -			

STRAIG	HTB	ILL OF LADING—SHORT FORM	ORIGINAL - NO	OT NEGOTIABLE		Shipp	ers No. <u>2551</u>
Carrier's N	lame:	Barron Truckine				Carrie	r's No.
		the classifications and tariffs in effect on the date of the					
at Dia	ock	twp. (Date)	5-30-10	FROM	SRWR/ca	bot	
the property des throughout this or routes, or a of said route a Bill of Lading Shipper hereby and the said to	ecribed be contract within the destination of the certifies and the certifies and the certifies and the certifies and the certifies and the certifies and the certifies and the certifies and the certifies and the certifies and the certifies and the certifies and the certifies and the certifies and the certifies and the certifies and the certifies and the certifies and the certifies are certified.	clow, in apparent good order, except as noted (contents and as meaning any person or corporation in potential or territory of its highway operations, otherwise to deliver to thou and as to each pury at any time interested in all or it.) In the bulloom freight Chariffentials in effect on the third of the continuous of the continuous of the continuous of the continuous of the continuous and the continuous of the continuous of the continuous of the continuous of the continuous of the continuous of the continuous of the continuous of the continuous of the continuous of the continuous of the continuous of the continuous of the continuous of the continuous of the continuous of the continuous of the continuous of the continuous of the continuous of the continuous of the continuous of the continuous of the continuous of the continuous of the continuous of the continuous of the continuous of the continuous of the continuous of the continuous of the continuous of the continuous of the continuous of the continuous of the continuous of the continuous of the continuous of the continuous of the continuous of the continuous of the continuous of the continuous of the continuous of the continuous of the continuous of the continuous of the continuous of the continuous of the continuous of the continuous of the continuous of the continuous of the continuous of the continuous of the continuous of the continuous of the continuous of the continuous of the continuous of the continuous of the continuous of the continuous of the continuous of the continuous of the continuous of the continuous of the continuous of the continuous of the continuous of the continuous of the continuous of the continuous of the continuous of the continuous of the continuous of the continuous of the continuous of the continuous of the continuous of the continuous of the continuous of the continuous of the continuous of the continuous of the continuous of the continuous of the continuous of the continuous of the continuous of the continuous of the continuous o	condition of contents of package of property under the controot of another carrier on the route to any of aid property, that every date hereof, if this is a rail of the said byll of Inding, including of himself and his ossigns.	s unknown), marked, consigned, grand destination, it is mutually scaled destination, it is mutually scrivice to be performed here; or rail-water shipment, or (2) in those on the back thereof, se	and destined as abo ace of delivery at y agreed, as to ea noder shall be subje the applicable pro- t forth in the close	own below, which and destination, is carrier of all cit is all the term for currier classification or tartif	said company (the word company being understood f on its own mitrod. water line, highway road or any of said property over all or any portion s and conditions of the Uniform Donestic Straight tion or tartiff if this is a motor contret shipmen which governs the transportation of this shipmen
		Johnstown Regional on Delivery Shipments, the letters "COD" must appear before conely	[Mail O	r street address for purposes of not	alication only.)		Subject to Section 7 of conditions. If this shipmes is to be delivered to the consigner without recours on the contigeor, the reastigner shall upp at following statement:  The carrier shall not make delivery of the shipment without payment of freight and all other shall be continued to the shipment without payment of freight and all other shall be continued to the shipment of freight and all other shall be continued to the shipment of freight and all other shall be continued to the shipment of freight and all other shipments.
Destination	۰	241 Aspahlt Rd.	Street	Johns	town	City	shipment without payment of freight and all othe lawful charges.
		County		State		Zip	
Uonra		(*Tobe	lifed in only when shipper desires and	I governing tariffs provide for delive	wy thereat.)		(Signature of consignor.)
_		ery\$					C. O. D. Charges to be Paid by Shipper Consignee
	<u>.</u>	Street		City		State	If charges are to be prepaid, write or stamp here. To be Prepaid."
No. Packages	нж.	Kind of Package, Description of Articles, Special	Marks, and Exceptions	"Weight (Subject to Correction)	Class or Rate	Check Column	
1		load water		4620	gal		Received 5 to oppi in prepayment of the charges on the proper
		<i>‡</i> 2	·				described hereon.
AFE.		51244		Ì	-		Agent or Cashier
PDTS		37-115-20149					The signature here acknowledges only the amount prepaid.
Truc	k#	Polo PIUST	-				\$
Plat	e.J	AFRIGATE WE	7-9960				conform to the specifications set forth in the be- naker's certificate thereon, and all other requirement of Rule 51 of the Uniform Preight Classification and Rule 5 of the National Motor Freight Classification.
		reen two ports by a carrier by water, the law requires that the biff of lightin dependent co-value, shippers are required to store specifically in writing t value of the property is hereby specifically stated by the shippe	er to be not exceeding		per		Chassification.  TShipper's imprint in Heu of statety; not a por bill of leding approved by the letterste Commerce Commerce Commission.
	<u> </u>	Shi shi	pper, Per				Ager
Permanent po address of shi		•			Per	<u>.                                    </u>	
			٠,	7			

DIM0227454 DIM0228712

ORIGINAL - NOTNEGOTIABLE

Shipper's No.	2552	

rier's N	lame:	Barron Trucking_				Carrie	r's No.
_CEIVED, st	ubject to t	he classifications and teriffs in effect on the date					
at Di	mocl	CP WD(Date	5-30-10	FROM_SI	NR/Cabo	jc jc	
the property des throughout this or routes, or w of said runte to Bill of Lading Shipper hereby	scribed belo contract as within the in destination set forth certifies the	Date of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process o	as and condition of contents of pocka of the property under the commands inter to another carrier on the roots all or any of said property, that ev- all or any of said property, that ev- on the date hereof, if this is a rail s of the said bill of lading, includ- occepted for himself and his savigno.	ges unknown), rrowked, coastgaed, agrees to carry to its usual to said destination. It is matter that the service to be performed her or mil-water shipments or 20 mg those on the back thereof.	and destined as shiplace of delivery at the conder shall be subject to the applicable me set forth in the cla	own below, which said destination, it sets corner of all set to all the terms too carrier classifies astification or tartif	said company the word company being understoo or any of mill property over all or any posts and conditions of the Uniform Domestic Saraight tion or tariff if this is a motor carrier subpress which governs the transportation of this shipmen
Consigned	TO	Johnstown Region	al Sewage	or street accress for purposes of h	olification only.)		Subject to Section 7 of conductus, it his shipmen is to be delivered to the consigner without recours on the consigner chall sign it following systement:
		Delivery Shipments, the letters "COO" must appear before	-				The camer small not make delivery of the shipment without payment of freight and all oth
Destination	n	241 AspahtlRd.	Street	150	DAG		lawful charges.
		County	Delivery .	State 1 3 :	900	Zip	
Route		County	To be filled in only when shipper desires	and governing tariffs growids for deli-	very thereat.)		(Signature of consignor.)
						1	C. O. D. Charges to be
		y\$					Pald by ☐ Shipper ☐ Consignee
		Street		City_		State	If charges are to be prepaid, write stamp here. To be Prepaid.
No. Packages	нм	Kind of Package, Description of Articles,	Spacial Marks, and Exceptions	"Weight (Subject to Correction)	Class or flats	Check Column	
1		lcad water		4520	gal		Received 5 to app in prepayment of the charges on the proper
		#2	···				described hereon.
೩೯೫ <u>೦</u>		512 <u>4</u> 4					Agent or Capter
- <del>*** ***</del> **		3.5.5					(The signature here arknowledges only the amount prepoid.)
FISE		37-115-2014	<u> </u>		<del></del>		Charges Advanceut
uck	ر ا	B1) BU157				]	1 The fibre containers used for this shipme
Plata	ر ا	11281715 PT62	63N				conform to the specifications set forth in the heater's certificate thereon, and all other requirement Role 41 of the Uniform Freight Classifications Role 5 of the National Motor Freight Classification.
*If the shipment of NOTE —Wacre to		end to ports by a carrier by water, the low requires that the bill pendent on value, shippers are acquired to state specifically in after of the property is hereby specifically stated by th	of lading shall state whether it is carrier's or writing the opreed or declared value of the pa	shipper's weight, openy.	per		Classification."  †Simper's imprirt in Reu of stamps not a p of bill of tading approved by the lateral Commerce Commission.
		- Sau					Age
Permanent p					Per		-

STR	AIG	HT	RII I	OFI	ADING-	SHORT	FORM

ORIGINAL - NOT NEGOTIABLE

Shippers No. 240000	Shipper's	No.	2 \$ 5	5.5	3.
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		Barron Trucking to the dassifications and builts in effect on the date of the issue of this Bill of lading.	<u> </u>		Carrie	r's No.
	•		~DOM ==			•
at the property distribution this by toutes, or of said route BIII of Lading Shipper bereby	combed contract within it to destin set for certifies	(Date) 5-30-10  below, to applicate good order, except as noted (contents and condition of contents of parks as measurement and property of the preparation of contents of the property under the contract of the property should be contracted at the content of the property of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract	pes unbrowns, marked, cuasigned agrees to samy to its usted to said destination. It is more or rail-water shipment, or (2) ag those on the back threed, and the said three on the back threed, and the said three on the back threed.	and denierd as she place of delivery at the surfer shall be subject in the applicable moset forth in the class	was below, which said destination, is carrier of all the term for carrier classification or tariff	said company (the word company being understood on its own reduced, water line, highway rook or any of said property over all of any portions of the Uniform Domestic Straighton or tenfG If this is a motor carrier alsopmen which governs the transpartation of this shapment
Consigner	٠Τ٥	Johnstown Regional Sewage on Dakvey Shipments, the letters "COO" mist appear below consigned; name or as otherwise provi	i or street address for purposes of r	otification only.)		Subject to Section 7 of conditions, if this shipmer is to be delivered to the consigner without recours the continue the continue the continue that
		on Delivery Shipments, the letters 1000 must appear before consigned a name or as otherwise provided the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second se	·	\ <b>n</b>	<b>6</b> %.	following statement:  The earnier shall not make delivery of the shipment without payment of freight and all othe lawful charges.
Destinatio	n —	ZET EBUITATE ROLL STREET	159/	76	•	MALINI CONTROL
Poute		County Delivery Address *  (*To be filled in only when stripper desires	StateState		Zip	
noute		(*To be filled in only when shipper desires	and governing tantts provide for del	very therent.)		(Signature of consigner.)
Delivering	Carri	erCar	or Vehicle Initials and I	No		C. O. D. Charges to be
Collect on	Deliv	ery \$ And Remit to				Paid by ☐ Shipper ☐ Consignee
	Street City State				If charges are to be prepaid, write or strang here. "To be Prepaid."	
No. Packages	нм	Kind of Package, Description of Articles, Special Marks, and Exceptions	*Weight (Subject to Correction)	Class or Rate	Check Column	
1_		load water	4620	gal		Received S to apply in prepayment of the charges on the proper
		#2			! <u></u>	described hereon.
are a		. <u></u> 51244			•	Agent or Cashler
APIR		37-115-20149				(The signature here acknowledges only the amount prepaid.)  Charges Advanced:
Truck		BW-3 - 11				\$
Plata		YYB 3789 PT 8849	P. Pa.			conform to the specifications set forth in the bot maker's certificate thereon, and all other requirement of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freigh Classification.
NOTE Where	****	tween two ports by a carrier by water, the law returbes that the bill of lading thall state whether it is carrier's or dependent on values, slippest are required to arise specifically in awings the appeal or defended value of the ps I validated the gavengy is hereby specifically stated by the ahipper to be not exceeding	shipper's weight. openty.	per		Classification."  1 Shipper's imprint in Licu of stamp; not a per of bill of inding approved by the Interstok Commerce Commission.
	Ko	shipper, Per				Agen
Permanent p		78		Per		
audiess 01 S	apper,	<u> </u>	л	) FBI		· · _ · _ · _ · _ · _ · _ · _ · _ ·

STRAIGHT	BILL OF LADING—SHORT FORM	ORIGINAL NOT NEGOTIABLE		Shipp	er's No. <u>2554</u>
ier's Nam					er's No.
	ct to the classifications and tariffs in effect on the date of the issue				
at Din	OCK TWD. (Date) 5-	30-10 FROM	SRWR/ca	bot	and company the word company being indention
throughout this control or routes, or within of said route to Bulk of Lading set Shipper hereby certified the said terms	d below, in apparent good order, except at solid (content) and condition of the territory of its below operation to pessession of the proper distribution, and at the cort party at any furth interested in all or any of the below operations. The description of the proper distribution, and at the cort party at any furth interested in all or any of the below of the content of the date of the content of the date of the date of the date of the date of the date of the date of the date of the date of the date of the date of the date of the date of the date of the date of the date of the date of the date of the date of the date of the date of the date of the date of the date of the date of the date of the date of the date of the date of the date of the date of the date of the date of the date of the date of the date of the date of the date of the date of the date of the date of the date of the date of the date of the date of the date of the date of the date of the date of the date of the date of the date of the date of the date of the date of the date of the date of the date of the date of the date of the date of the date of the date of the date of the date of the date of the date of the date of the date of the date of the date of the date of the date of the date of the date of the date of the date of the date of the date of the date of the date of the date of the date of the date of the date of the date of the date of the date of the date of the date of the date of the date of the date of the date of the date of the date of the date of the date of the date of the date of the date of the date of the date of the date of the date of the date of the date of the date of the date of the date of the date of the date of the date of the date of the date of the date of the date of the date of the date of the date of the date of the date of the date of the date of the date of the date of the date of the date of the date of the date of the date of the date of the date of the date of the date of the date of the date of the date of	try under the contract) agrees to carry to lea reasile can the south to said destination. It is reasile property, that every service to be perform error. It this is a rall or rall-water shiptrical. bill of lading, including those on the back a invest and his assigns.	usual place of delivery is mutually agreed, as to motivate being the second or (2) is the applicable hereof, set forth in the	at and destination, if each carrier of all sbject to all the term motor carrier classifies classification or tariff	f on its own railroad, water lies, highway rous or any of axid property over all or any portion s and conditions of the Uniform Doonsake Straigh sloss or tasfif if this it a motor carrier shipment which governs the transportation of this shipment
	O Johnstown Regional Sew	(MEDI or street address for purpo	oses of notification only.)		Subject to Section 7 of conditions, if this shipmer is to be delivered to the consigner without recours on the consigner without recours on the consigner with sign the
On Cal	ect on Delivery Shipments, the letters "COD" must appear before consignee's na	ume or se otherwise provided in Rem 430, Sec. 1,			following statement:  The earrier shall not make delivery of this shipment without payment of freight and all othe
Destination _	241 Asphalt Rd. s		45000	Clty	lawful charges.
				Zip	
Route	(*To be filled in o	Delivery Address Address Delivers and governing tariffs provide	e for delivery thereat.)		(Signature of consignor.)
Delivering Car	rier Dively Truct	Car or Vehicle Initials	and No. DO	4	C. O. D. Charges to be
Collect on De	livery \$	And Remit to		<u> </u>	Paid by ☐ Shipper ☐ Consignee
	Street		Citv	State	if charges are to be prepaid, write o stamp here. To be Prepaid."
No. Packages H.M	Kind of Package, Description of Articles, Special Marks, a	Malaba (Cr	ubject Class	Chack Column	•
1	load water	452	0 gal		
	TOUR WACAI		981	+	Received S to appt in prepayment of the charges on the propert described heroon.
	#2				
AFE#X	51244			1	Agent or Cashier
_ assaya	51244		—— <del>—</del>	<del></del>	Per   The signature here acknowledges only   the amount prepold.)
API	37-115-20149				Charges Advanced:
Truck	004				\$
	4=75286				conform to the specifications set forth in the be
Olate	between two ports by a carefir by water, the law requires that the bill of lading shall at it dependent on value shippers me required to state specifically in writing the agree	ute whether it is carrier's or shipper's weight			maker a continuate mercon, and all other requirement of Rule 41 of the Uniform Freight Chassification and Rule 5 of the National Motor Freig Classification."  15hipper's imprint in fieu of strongs, not a po
	red value of the property is throby specifically stated by the shipper to be		per	·	of bill of lading approved by the lotersta Coranjerce Commission.
_Ja	my Shipper,	Per			Ager
Permanent post-o			Per		
addies of Bulbbe	•	ر ا	101		

		LL OF LADING—SHORT	ORIGINAL	- NOT NEGOTIABLE		Shipp	ers No. <u>2555</u>
		Barron Trucking				Carrie	er's No.
		the classifications and tailffs in effect on the					
atD;	inoc	kT wo. (	Date) 5-30-10	FROM	SRWE/Cal	oot	
the property de throughout this or routes, or of said route Bill of Lading Shipper hereby and the said i	excribed belongered a within the to destinate set forth certifies the torns and the torns and the torns and the torns and the torns and the torns and the torns and the torns and the torns and the torns and the torns and the torns and the torns and the torns and the torns and the torns and the torns and the torns and the torns and the torns and the torns and the torns and the torns are torns and the torns are torns and the torns are torns are torns are torns are torns are torns are torns are torns are torns are torns are torns are torns are torns are torns are torns are torns are torns are torns are torns are torns are torns are torns are torns are torns are torns are torns are torns are torns are torns are torns are torns are torns are torns are torns are torns are torns are torns are torns are torns are torns are torns are torns are torns are torns are torns are torns are torns are torns are torns are torns are torns are torns are torns are to torns are torns are torns are torns are torns are torns are to torns are torns are to torns are to torns are to torns are to torns are to torns are to torns are to torns are to torns are to torns are to torns are to torns are to torns are to torns are to torns are to torns are to torns are to torns are to torns are to torns are to torns are to torns are to torns are to torns are to torns are to torns are to torns are to torns are to torns are to torns are to torns are to torns are to torns are to torns are to torns are to torns are to torns are to torns are to torns are to torns are to torns are to torns are to torns are to torns are to torns are to torns are to torns are to torns are to torns are to torns are to torns are to torns are to torns are to torns are to torns are to torns are to torns are to torns are to torns are to torns are to torns are to torns are to torns are to torns are to torns are to torns are to torns are to torns are to torns are to torns are to torns are to torns are to torns are to torns are to torns are to torns are to torns are to torns are to	ow, in apparent good order, except he noted (is a meaning say person or corporation in possi- torritory of its highway operations, otherwise in, and as to early pury its any time tolerates (1) in the Uniform Freight Classification is eleated in the its familiar with all the terms and countries are hereby agreed to by the adopt-	oments and conditions of contrasts of passion of the property eader the control of liver to section carrier on the no deliver to section carrier on the no deliver to section carrier on the control in the control feet on the date hereof, if this is a didition of the said bill of lange, including the conductation of the said bill of lange, included the conductation of the said bill of lange, including the conductation of the said bill of lange, including the conductation of the said bill on the conductation of the said bill on the conductation of the said bill on the conductation of the said bill of the conductation of the said bill of the conductation of the said bill of the conductation of the said bill of the conductation of the said bill of the conductation of the said bill of the conductation of the said bill of the conductation of the said bill of the conductation of the said bill of the conductation of the said bill of the conductation of the said bill of the conductation of the said bill of the said bill of the said bill of the said bill of the said bill of the said bill of the said bill of the said bill of the said bill of the said bill of the said bill of the said bill of the said bill of the said bill of the said bill of the said bill of the said bill of the said bill of the said bill of the said bill of the said bill of the said bill of the said bill of the said bill of the said bill of the said bill of the said bill of the said bill of the said bill of the said bill of the said bill of the said bill of the said bill of the said bill of the said bill of the said bill of the said bill of the said bill of the said bill of the said bill of the said bill of the said bill of the said bill of the said bill of the said bill of the said bill of the said bill of the said bill of the said bill of the said bill of the said bill of the said bill of the said bill of the said bill of the said bill of the said bill of the said bill of the said bill of the said bill of the said bill of the said bill of the said bill	ackages unknown), muched, consuperd, next agrees to early to be usual one to said destination. It is minus every service us be performed bereal or rull-water shipmens, or (2) hoding those on the back thereof.	and destined as sho place of delivery at ally agreed, as to ea- cunder shall be subjec- in the applicable mot set forth in the class	wa below, which said destination, it carries of all its terms or tamer classifies discussion or tactif	said company (the word company bring wederation for its own railmost, wester line, highway result or any portion or easy of said property over all or any portion or say of said property over all or any portion of the Uniform Domestic Straight said on the said life is a sword counter shapened which governs the transportation of this hipman which governs the transportation of this hipman.
		Johnstown Region Delivery Shipments, the letters "COO" must appear	(	MeR of street address for purposes of n	offication only.)		Subject to Section 7 of conditions, if this shipmer is to be delivered to the consigner without recours on the consigner, the consigner shall sign the following extrement:
	ո <u>      2</u>	41 Asphaltk Rd.	Street	Johnsto	WE	City	The carrier shall not make delivery of the shipment without poyment of treight and all othe lawful charges.
Route		County	PA Delivery	State1	5906	Zip	
noute			Address Address (*To be filled in only when shipper desir	res and governing raritis provide for deli	very therest.)		(Signatura of consigner)
_		y \$	c	ar or Vehicle Initials and I	Vo		C. O. D. Charges to be Paid by Shipper Consignee
		Street		City _		State	If charges are to be prepaid, write of stamp here. "To be Prepaid."
No. Packages	H.M.	Kind of Package, Description of Aris	des, Special Marks, and Exceptions	"Weight (Subject to Correction)	Class or Rate	Check Column	
_1		load water		4620	gal		Received \$ to app; in prepayment of the charges on the proper
		#2					described hereon.
AFE#		51244					Agent or Cashier
API#		37-115-2014	.9				(The signature here acknowledges only the amount prepoid.) Charges Advanced:
Truck	¥	BIL & BU	75				S
Plate	; <i>f</i>	1273454 B	XF J-9.96	0			conform to the specifications set forth to the be scaled's certificate thereon, and all other requirement of Rule 41 of the Uniform Preight Classificati and Rule 3 of the National Motor Preig Classification.
		or two ports by a carrier by water, the law requires that it mendent on value, alippers are required to state specifical time of the property is beauty specifically instead		or shapper's weight. e property.	per		tShipper's inprint in licu of stamp; not a por bill of loding approved by the Intersal Commerce Commission.
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	1 6		Shipper, Per				

Shipper's No.	SG-773
USEH	5G-773 109442

∩amier's i	Vame:	US Environmental	Carrier's No.			
		the classifications and tariffs in effect on the date of the issue of this Bill of lading,				
at Dim	oak_	Twp. (Date) 5-30-10	FROM_ S	MR/Cab	ot	
the property de throughout this per router, or of said route Bill of Lading Shipper hereby and the said	escribed bel contract a within the to destinati set forth certifies if terms and	[Date] 5-30-10 Town in apparent good order, except as noted (contents and condition of contents of package as meaning any person or comportion in potentials of the property under the content of the interest of the property under the content on the highery operation. Orderstee to deliver to another carrier on the route on, and as to each party it any time interested to all or any of said property, that ever the content of the said said property, that ever the content of the said said property, that ever the content of the said said of the said said of the said said content of the said said said of the said said said of the said said said of the said said said said said said said said	es unknown), marked, consigned, agrees to early to its usual plus said destruction. It is mutually service to be performed heres or rais-water shipment, or (2) it g those on the back thereof, so	and destined as shace of delivery at y agreed, at to ender shall be subject inder shall be subject a toe applicable most at forth in the cla	nwo betow, which said destination, it said destination, it said the terms of all the terms or earlier classification or justiff	said ecopony (the word company being understood for its own raphood water line, highway route or say of taid property over all or any portion of the Uniform Domester Guight toon or sard! If this is a notion carrier alignment, which governs the transportation of this stipment.
Consigner	₄ TΩ	Sunbury Genreation	or street addiese for briboses of Not	filcation only.)		Subject to Section 7 of conditions, if this shipment is to be delivered to the consigner without recourse on the consignor, the consigner shall sign the following statement:
		n Delivery Billoments, the letters 'COO' must appear before consigner's name or as bitherwise provide DIC Grail RG. Street		Dare		The currier shall not make delivery of this shipment without payment of freight and all other hawful charges.
Destinatio	n	Street	17	1276	City	Taylor Charges
Davida		County Delivery Address*	State	7070	Zip	
Houte	·	(*To be filled in ordy when shipper deal/es a	nd governing tentils provide for delive	ry thereat.)		(Signature of consignor.)
Delivering	Carrier	Card	or Vehicle initials and N	0		C. O. D. Charges to be
Collect on	Delive	ry \$And Remit to				Paid by □ Shipper □ Consignee
Street City					State	If charges are to be prepaid, while or stamp here. To be Prepaid,
No. Packages	нм.	Kind of Packags. Description of Articles, Special Marks, and Exceptions	*Weight (Subject to Correction)	Clars or Rate	Check Column	
1		load water	6000	gal		Received \$ lo apply
		#2				Received \$
		51244				Agens or Cashier
AFE#	1	51244				(The signature here seknowledges only the arrount proposed.)
TOE		37-115-20149				Charges Advanced:
		රු (ඊ				<u> </u>
azno,	+			+		f 'The fibre containers used for this sulpment conform to the specifications set forth in the bux maker's certificate thereon, and all other requirements
; <u> </u>	1	AF 68829				of Rule 41 of the Uniform Freight Classification and Rule 5 of the Notional Motor Freight Classification."
		een two pures by a center by mater, the low regulars that the bill of Juding shall state whether it is carrier's or all rependent on value, adapters are required to takes specifically in writing the agreed or declared value of the pro- table of the property is herethy modifically stated by the shallower to be one exceeding	ipper's weight. perly.			†Shipper's lumries in tien of stamp; not a past of bill of inding approved by the interstate Commerce Commission.
i ne agrecu or	dreares v	Shipper, Per		Szen	hund	M. Starry WAgent
Permanent p address of s	oost-office hipper,			Per		<i>U</i> =
			Л			

STRAIGHT BILL OF LADING—SHORT FORM

ORIGINAL - NOT NEGOTIABLE

STRAIG	HTE	BILL OF LADING—SHORT FORM	ORIGINAL - NO	OTNEGOTIABLE		Shipp	ers No. <u>NSG-779</u>
						B	-H111739
Carrier's I		US Environmental to the classifications and tariffs in effect on the date of the	to a state must state at a	**************************************		Cafrie	rs No.
at Dimo	<u>ock</u>	(Date)	5-39-10	FROM SRM	R/Cabot		
throughout this or route, or said route Bill of Lading Shipper hereby and the said	conunc within to desti set fo certifien terms ar	Date) below, in apparent good order, except as noted (contents and 1 as meaning any person or corporation to possession of the territory of tit sightway operations, whereview to deliver in nation, and as to except pany at any time interested is all of 10 in the Entirons Treety Chastification in effect on the decorporation are hereby agreed to by the shipper and occepte decorporation.	containing of contents or packages of property under the contract) as monther carrier on the route to any of said property, that every date hereof, if this is a rail of the said bill of lading including of for himself and his assigns	press to carry to its usual pio- taid destination, h is munually service to be performed bereum r rell-water shipment, or (2) in those on the back thereof, set	ce of delivery at agreed, as to ear ider shall be subject the applicable mot forth in the class	med destination. It ch camer of all it to all the terms or carrier classifica- tification or mail!	and company the water than highway route or any of said property over all or any portion as and conditions of the Uniform Domestic Studght ulon or saidff if this is a motor center shipment, which govers the transportation of this shipment.
		Sunury Generation ton Delvery Shipments, the letters COP must appear before const	fuera or	erseat worthers not brisboarea by Licht	Scation only.)		is to be delivered to the consigner without recourse on the consignor, the consignor shall sign the following statement:
		Old Frail Rd.			kin Dar	City	The carrier stall not make delivery of this shipment without payment of freight and all other leavest charges.
		County(#Tobe	PA Delivery	State 178	76	Zip	
Route		(+Tobe	Address Address Address and	governing tariffs provide for deliver	y thereat.)		(Signature of consignor.)
Delivering	Can	ier	Car or	Vehicle Initials and No)		C. O. D. Charges to be
Collect on	Deli	very \$	And Remit to				Shipper □ Consignee
		Street		City		State	If charges are to be prepaid, write or stamp here. To be Prepaid."
No. Packagas	H.M.	Kind of Package, Description of Articles, Special	Marks, and Exceptions	Weight (Subject to Correction)	Class or Rate	Check Column	
1		<u>load water</u>		6000	gal		Received \$
		;ï2					Recrived 3 to apply in prepayment of the charges on the property described herson.
		51044					Agent or Cashier
AFE#	\vdash	51244			+		Per
API#	1_	37-115-20149			<u> </u>		Charges Advanced:
Truck		626		}			<u> </u>
<u>Plate</u>		PLSSSIH					f "The fibre containers used for this shipment condom to the specifications set forth in the bo- maker's certificate thereon, and all other requiremer of Rule 41 of the Uniform Freight Clastificati, and Rule 5 of the National Motor Freigh-
"If the shlomes!	moves b	names (we parts by a carrier by water, the law requires that the bill of ladies to dependent on value, shippers are neguired to same specifically in writing	g shall state whether it is corner's or ship the agreed or declared value of the prope	per's weight.			Classification. tStipper's imprint in lieu of stamp; not a part of bill of loding approved by the Intensite Commerce Commission.
The agreed on	declare	d value of the property is hareby specifically stated by the shipp	er to be not exceeding		745		Commerce Commission.
		Sh	pper, Per		Ka	now	Agent Agent
Permanent p	post-off hipper,	ice			Per)

Shippers	No. 20-	700

		US Environmen				Carrle	er's No. BOL 131143
	•	o the classifications and tariffs in effect on th			/	m 11.	
the property d	escribed b	relow. In apparent good order, except as noted	(Date) 5-30-10 contents and condition of contents of pack	THOM	and destined as sho	CROOT	sald company (the word company being understand on its own rubroad, water line, highway rouse or any of said property over all or early offices s pad conditions of the Halform Domeric Strights into or until this is motor coarty strights which governs the transportation of this shipment.
or routes, or of said route	within the	as meaning any person of corporation in pos- se territory of its highway operations, adverwise ation, and as to each purty at any time interes	to deliver to enotice earnier on the south) agrees to early to its initial property service to be performed berry	ace of delivery at by agreed, as to en under shall be subje	ct to all the terms	or any of said property over all or any portion of and conditions of the Uniform Domestic Straight
Shipper hereby and the mid	centifies terms and	that he is familiar with all the terms and of conditions are hereby agreed to by the shippe	onditions of the said bill of lading, inches r and accepted for himself and his actigns	ding those on the back thereof, so	t forth is the clas	sification or tariff	which governs the transportation of this shipment.
			(Mi	all or streat address for purposes of no	d'ication only.)		Sabject to Section 7 of conditions, if this shipment is to be delivered to the consigner without recourse on the consignor shall sign the
		Sunbury Genera on Delivery Shipments, the letters "COO" must appea					following statement: The carrier shall not make delivery of this slipment without payment of freight and all other
		lā Trail Rd.					lowful charges.
		County	PA	State <u>1737</u>	ნ	Zip	
Route			Address*_	and an administrative and the least of the	authomat \		(Signature of consignor.)
							l ————
_		er					C. O. D. Charges to be Paid by
Collect on Delivery \$ And Remit to						☐ Shipper ☐ Consignee	
	StreetCity				State	If charges are to be prepaid, write or stomp here, To be Prepoid.	
No. Packages	H.M.		rticles, Special Marks, and Exceptions	Welght (Subject to Correction)	Class or Rate	Check Column	
1		losa water	•	5000	cal		Received \$ to apply
		;°2					in prepayment of the charges on the property described hereon.
		jr 2					Agent or Casher
APE	14.7	51244					Per
]						The signature here acknowledges only the amount prepoid.)
<u> 323</u>	92	<u>37-115-201</u>	49		 		Charges Advanced:
Œ	ac't	TR 625					
TT	اعدى		·		_		t "The fibre containers used for this shipmen conform to the specifications set forth in the bos maker's certificate thereon, and all other requirements
b7 =	ta	AF- 57940					of Rule 48 of the Uniform Freight Classification and Rule 5 of the National Motor Freigh
NOTE	moves bet	ween two ports by a carrier by water, the law requires that dependent on value, shippers are required to state special	the bill of lading shall state whether it is carrier's o	r shipper's Weight, property.	****		Clossification." 15hbmer's impriet in lieu of stamer not a cor-
The agreed or	r declared	value of the property is hereby specifically stated	by the shipper to be not exceeding		7"		of bill of leding approved by the Intersum Commerce Commission.
			Shipper, Per		1 Xa	up t	Seem Agen
Permanent j	post-offic				Per	0	
#101699 GI 8	···bhar	<u> </u>		· グ			
				5			
				1			

Carrier's	Vame	: US Environment	al			Carrie	rs No. 131142
		to the classifications and tariffs in effect on the d					
the property of throughout this or routes, or of said route Bill of Lading	escribed contract within to destin set for	below, is apparent good order, except as noted (cor t as meaning any person or corporation or possess), the territory of its highway operations, otherwise at nation, and as to each party at any first interested to the highway of the control of the con- traction, and as to each party at any first interested to the highway of the control of the con- trol of the control of the control of the con- trol of the con-	ate) 5-30-10 Tents and condition of contents of pa on of the property under the control deliver to snother cerrier an the ro in all or any of said property, that on the date hereof, it this is a	FROM SPITE chages unknown), smarked, coarligned o act) optors to carry to its usual place to said destination. It is motually every service to be performed hereulo and or nell-water stilement, or (2) in	CODOT not destined as she is of delivery as agreed, as to a agreed, as to a der sholl be subje the opplicable mo	rown below, which sale destination, it is carrier of all the terms or to all the terms or corrier classification.	said company the word company being anderstood on his own ralkroad, water hae, highway roset and conditions of the Uniform Domesic Straight door or mail if this is a motor carrier highmen.
			U	uting those on the back thereof, set as. Talk or street address for purposes of notifi	cetton anity.)	SHIPSION OF SAME	Subject to Section 7 of conditions. If this shipment is to be delivered to the consigner without recourse
Consigne		Sunbury Geneart ton Delivery Shipments, the letters "COD" must appear be	ion	ulded in item 420. Reg. 1			on the consignor, the consignor shall sign the following statement:
						The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.	
Destinant		County	PA	State 178	75	Zip	
Route		County	Delivery Address	Oldio			·
.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			(*To be filled in only when shipper desir	es and governing larit's provide for deliver	(floreat.)		(Signature of consignor.)
Delivering	Carri	er	C	ar or Vehicle Initials and No			C. O. D. Charges to be Paid by
Collect on	Defiv	/ery \$	And Remit to				☐ Shipper ☐ Consignee
	StreetCityState						If charges are to be prepaid, write or stamp here. "To be Prepaid."
No. Packages	H,M,	Kind of Package, Description of Article		"Weight (Subject to Correction)	Class or Rate	Check Column	
1		Xload water		6000	cal		
!		Azodu water			631		Received Sto apply in greparyment of the charges on the property described hereon.
AFE#		51244					Agent or Cashler
API#		37-115-2014	<u> </u>				Per Che signature here acknowledges only the amount prepaid.) Charges Advanced:
Pruc	165	las					* The fibre continers used for this shipmen
Plate		AF55386					conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classificatio and Rule 5 of the National Motor Freigh Classification."
		tween two ports by a carrier by water, the law requires that the is dependent on value, shippers are required to state specifically of value of the property in hereby specifically stated by	•	or shipper's weight, a property.	per		this present the first of starrey, not a post of bill of lading approved by the interstate Commerce Commission.
			Shipper, Per			111	Agent
Permanent j address of s	ost-off hipper,	icė			Per /	What L	Mill
				1			-

Shipper's No. SG-732

Carrier's I	Name:	US Zavironmental			Carrie	r's No.
		the classifications and tariffs in effect on the date of the issue of this Bill of lading,				
at Dist the property of throughout this or routes, or of said route Bill of Lading Shipper hereby and the said	lock lescribed be contract widds the to destinal act forth certifies terms and	Coate) 5-30-10 clow, in apparent pool order, except as ander (contents and condition of contents of pockages as measuring any person or corporation is possession of the paperty usder the constitution as measuring any person or program to the provise in deliver to another conter on the roots to look, and as so tach party at any time interested in all or my of said property, that every the content of the cont	FROM SR2- naknown's marked, consigned, es to carry to its wasal pl said destination. It is montall service to be performed here mull-water thipment, or (2) in some on the back thereof, se	and destined as the case of delivery at y agreed, as to er order shall be subjet the applicable most forth in the class	own below, which said destination, is concerner of all ct to all the tension confer classification or tadif	said company the word company being understood on its own callood, water list, highway must or any of said property over all or any postune s and conditions of the Uniform Domestic Straight close or mit! If this is a mesor carrier shipment, which powers her transportation of this shipment.
Consigner	ОТь	(Mail or st Sunbury Genetraionk so Dalweys Shipmants, the letters "COO" must appear before consigned's name or as otherwise provided in	reet address for purposes of not	lication poly.)		Subject to Section 7 of conditions, if this shipment is to be delivered to the consigner without recourse on the consigner, the consigner shall sign the following statement:
		The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.				
Desunano	n	Cld Trail Rd. Street	State 17876	<i>J.</i> 7.1	Zip	
Boute		County DA Delivery Address* Address A	_ State		ZIP	
110016		(*To be filled in only when shipper desires and p	overning spirits provide for delive	ry thereat.)		(Signature of consigner.)
Delivering Carrier Car or Vehicle Initials and No						C. O. D. Charges to be
Collect or	n Delive	ery \$And Remit to				☐ Shipper ☐ Consignee
	StreetCityState			If charges are to be prepaid, write or storup here, "To be Prepaid,"		
No. Packages	H.M.	Kind of Peckage, Description of Articles, Special Marks, and Exceptions	"Weight (Subject to Correction)	Chass or Rate	Check Column	
1		load water	6000	gal		Received 5 to nppty in prepayment of the charges on the properly
		1 #2				described hereon.
AFE:	4	51244				Agent or Cashler
APT		37-115-20149				Per
			<u> </u>			s
<u>Truc</u>		TR 625 AF- 57940				* The fibre containers used for this shipment conform to the specifications set forth in the box maker's certificate thermon, and all other requiremen- of Rule 41 of the Uniform Freight Classification
*If the shipmen NOTE —Where	t moves between the rate is d	even two ports by a carrier by water, the low popies that the bill of halms shall state whether it is carrier's or shippen- dependent on value, shippen are required to state specifically in writing the agreed of declated value of the propert a alore of the property is bereby specifically stated by the shipper to be not exceeding	re's weight.	per o		and Rule 5 of the National Motor Freigh Classification. TShipper's hapring in lieu of stamps not a par- of bill of lading approved by the Interstate Commerce Openmission.
		Shipper, Per		X	any &	esselAgen
Permanent address of s		9		Per		· · · · · · · · · · · · · · · · · · ·
		/ر				

Shipper's No. SG-783 Carrier's Name: US Environmental RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading, FROMSRWR/Cabot atDimock Twp. 5-30-10 Consigned TO Sunbury Genreation
On Colection Delivery Shipments, the letters "COD" must appear before consigner's name or as otherwise provided in Item 430, Sec. 1. Destination <u>CLā Trail</u> Rā. Shamokin Dam Street_ City 17876 .Zip County. Delivery
Address

(wTo be filled in only when shipper desires and governing tariffs provide for delivery thereal.) Route. (Signature of consignor.) Delivering Carrier_ _ Car or Vehicle Initials and No. . C. O. D. Charges to be Paid by

| Shipper | Consignee Collect on Delivery \$ _ _And Remit to _ If charges are to be prepaid, write or stamp here, "To be Prepaid." State No. Packages Check Column H.M. Kind of Package, Description of Articles, Special Marks, and Exceptions load water 6000 gal AFE: 51244 37-115-20149 <u> Peter</u> The surreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding __ Shipper, Per _ Agent

CABOT-EPA 007489

Permanent post-office address of shipper,

		C. Haer Trucking the date of the less	e of this Bill of lading			Carrie	r's No.
n Dim	.oci	C TWP. (Date) 5-	30-10	FROM_SR	IR/Cabel	<u> </u>	
the property descri- throughout this co- or routes, or wid- of sald route to Bill of Lading so Shipper hereby co- and the said term	ford be entract his the destinati of forth milies to as and	Liwing and order, except as noted contents and condi- mentaling any person or congruines in possession of the pro- territory of its highery operations, otherwise to deliver to an orn, and as to each party at any time interested is oil or any orn, and as to each party at any time interested is oil or any ones, and the conditions of the conditions of the conditions of the conditions of the conditions are hereby agreed to by the stupper and accepted for	ition of coatents of grackag operty under the contract) ther earrier on the routs of said property, that eve hereof, if this is a roil aid bill of lading, includes himself and his assigns.	es unknown), mocked, consigned, agrees to carry to its usual plus still destination, it is methal ty service to be performed here or sail-water shipman. or (2) it those on the back thereof, so	and destined as thousand of delivery at its spread, as to one under that be subject to the applicable motors to forth in the class.	on below, which said destination, if a carrier of all to all the terms or corner classification or tariff	suid company the word company being understood for its own railroad, water line, highway route or any of said property over all ow any portion of the Uniform Domestic Smilght too or tariff if this is a sensor carnet shipment, which governs the transportation of this shipment.
Consigned	ГО	Sunbury Generation	(Maii	or select consess for brahover or to	discation only.)		Subject to Section 7 of conditions, If this shipment is to be delivered to the consignor without recourse on the consignor, the consignor shall sign the following statement:
		n Delivery Shipments, the letters "COD" must appear before consignes's	•		4 m m		The corrier thall not make delivery of this thipment without poyment of freight and all other
Destination		Old Trail Rd.	Street	ಶಾಗ್ರಹಿಸಿದ್ದ	1202C	City	lasiful charges.
		County	Delivery	State	1/5/5	Zip	
Route		(★To be filled	Address n only when shipper desires a	nd governing turlifs provide for deliv-	ery thereat.)		(Signature of consignor.)
Delivering C	arrie	VCB TRANS LL	Card	or Vehicle Initials and N	0.011/7	29	C. O. D. Charges to be
_		ry\$,		Paid by □ Shipper □ Consignes
		Street		City		State	If therees are to be prepaid, write or stamp here. To be Prepaid."
No. Packages	ŁM.	Kind of Package, Description of Articles. Special Mark	s, and Exceptions	Weight (Subject to Carrection)	Class or Rate	Check Column	
1		load water		5000	gal		Received S
		; ; 2					in prepayment of the changes on the property described hereon.
AFE#		51244					Agent or Cushier
							(The signature here acknowledges unly the amount prepaid.)
32I#	_	37-¥115-20149					Charges Advanced:
Truck	,	011/729					\$
.a fra-		7720111					† The fibre containers used for this shipment conform to the specifications set forth is the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Chandication and Rule 5 of the National Motor Freight
or the shipment me NOTE —Where the	rate is d	rees two ports by a carrier by water, the less requires that the bill of lading shate epochesi on value, shippers are required to state specifically in writing the agreement of the property is hereby specifically stated by the shipper to	tear) at queparery assess on spa bac	hipper's weight. peny.	per		Classification. 15hipper's imprint in Hen of stampt not a port of bill of lading approved by the Interstate Commerce Commerce Commerce Commerce
the agrees or ac	cm-ea	valed of the property is neverly specifically sincer of the shipper to	ne not exceeding		T per		
		Shippe	ar, Per				Agen
Permanent pos address of ship	n-office per,	36 30			Per		
		CT-10-100	!				

Carrier's		2 144 (24 24 24 24 24 24 24 24 24 24 24 24 24 2	Carrier's No.				
		to the classifications and tariffs in effect on the date of the Issue of this Bill of lading,					
the property of throughout this or routes, or of said coute Bill of Ladies Shipper hereby and the said	lestribed contract within it destinates for certifies terms are	Dis 11/10 a (Date) 5-30-10 below, in beparent good order, except se noved (contents and condition of contents of pockages as meaning any person or curporation in possession of the property under the contact a per territory of its highway operations, otherwise is deflice to another enterier on the rouse to taken, and as to each party of any time betterested in all or early at said property, that severy it it is in the Uniform Prefet Classification in effect on the date berrier. If this is a rul or that it bentler with all the terms and conditions of the said bitt of balling, including conditions are bently agented to by the obspow and accepted for himsuch and analyze.	FROM SR?? suknown), marked, consigned, neet to carry to its usual pi- said destination. It is musual service to be performed here- rail-water shipment, or CD is those on the back thereof, se	R/CAloot and destined as sh one of delivery at y agreed, as to under shall be subju- the applicable me t forth in the cla	own below, which said destination, it ach carrier of all the terms one carrier classifier sailieation or tariff	said company the word company being understood for its own mitrood, writer line, highway route or any of said property over all or any portless for the said property over all or any portless for the said for the said property over all or any solid property of the said property of t	
		(Mail or Sunhury Caneration con Delivery Shipments, the letters "COO" must appear before consignee's name or as otherwise provided.	street address for purposes of not	ification only.)		Subject to Section 7 of conditions, if this shipment is to be delivered to the coasignee without recourse on the consignor, the consignor shall sign the following sattement:	
				~ · · · ·		The earrier shall not make delivery of tris- shipment without payment of freight and all other	
Destination	on <u> </u>	Old Trail Rd. Street	Snamokin 17	<u> </u>		lawful charges.	
Route		County PA Delivery Address (*To be filled in only when shipper desires and	State1 /	070	Zip		
. 10010		(*To be filled in only when shipper desires and	governing tariffs provide for dalive	ry thereat.)	./-	(Signature of consignor.)	
Delivering Collect or	Carrie	er	Vehicle Initials and N	200	1/129	C. O. D. Charges to be Paid by Shipper Consignee	
	7 7	Street	City		State	If charges see to be perpaid, write or stamp here, "To be Prepaid."	
No. Packeges	H.M.	Kind of Package, Description of Articles, Special Marks, and Exceptions	"Weight (Subject to Correction)	Class or Raie	Check Column	l	
1		load water	5000	cal		Received S to apply in prepayment of the charges on the property described hereen.	
<u> 3874</u>		51244				Agentor Cashler Per The agenture here acknowledges only.	
SOT!		37-115-20149				the amount prepaid.) Charges Advanced:	
Truc	:	04/TZ9 47 20M				\$ 1 "The fibre coetainers used for this shipment confarm to the specifications set forth in the box maker's critificate sherron, and all other requirement of Rule 4 of the Uniform Fright Classification Rule 5 of the National Motor Freigh Classification of Rule 4 of the National Motor Freight Classification and Rule 5 of the National Motor Freight Classification an	
"If the shipment NOTE —Where	moYes bet the rate is	neces two ports by a carrier by water, the low requires that the bill of lading shall state whether it is carrier's ar slop dependent on value, shippers are required to state specifically in writing the agreed or declared wides of the proper I value of the property is hereby specifically stated by the shipper to be not exceeding	or's weight. .y.	per		Classification. Tshipper's impriet in lieu of starmy; not a part of bill of loding approved by the interstate Commerce Commission.	
Permanent		Shipper, Per				Agent	
address of 8	hipper.	- Musser 5-30-10		Per			

	• ~	-,	\sim	_
Shipper's No.	- v		Ü	C

	Carrier's Name: C. Haer Trucking VED, subject to the classifications and tartifs in effect on the date of the issue of this Bill of lading.					Carrie	er's No.
· ·		Date of the property of the pr		•	SPIR/Cabo rigned, and destined as al satual place of televery as to an industally spreed, as to and hereonder shall be subju- (2) in the applicable me reof, not forth in the cla	sown below, which the said destination is such carrier of all ect to all the term over carrier classifies attification or baid!	gaid company (the word company being understood of on its own railrood, water lor, highway coust or any of said property over all or any portions of the Uniform Domestee Straight date or brill if this is a motor carrier afripment, which governs the transportation of this shapment.
Consigne	вTО	Sunbury Genration		(Mell or strest address for purpos	es of notkication only.)		Subject to Section 7 of conditions, If this phipment is to be delivered to the consignor without recourse on the consignor, the consignor shall sign the following numerous:
Destinatio	On Collect on Delivery Shipmania, the letters "COD" must appear before consigned a name or as otherwise provide Destination <u>Old Brail Rd.</u> Street			Shamokin		City	The carrier shall not make delivery of this shipment without payment of fleight and all other lawful charges.
Route		County(*	Delivery Address	State	17875	Zip	(Signature of consignor.)
		er					C. O. D. Charges to be
		very \$					Paid by ☐ Shipper ☐ Consignee
		Street		с	ty	State	If charges are to be prepaid, write or stump here. To be Prepaid.
No. Packages	H.M.	Kind of Package, Description of Articles, S		"Weight (Sut to Correction	(ect Class n) or Rate	Check Column	
1		load w2ater		<u> 48</u> 50(0 gal	,	Received S to apply
		∄2					in prepayment of the charges on the preperty described beeron.
r <u>po</u> f		51244					Agent or Cashier
API;		37-115-20149					Per (The aignature here acknowledges only the amount prepaid.) Charges Advanced:
T <u>ruck</u>		HIOY MILLE					5
. <u>ce.</u>		4489776					conform to the specifications set forth in the bax maker's certificate thereon and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the Plantenoi Motor Freight Classification.
NOTE —Where	the rate is	races two ports by a conter by water, the law requires that the bill t dependent on value, shippers are required to sale specifically in a d value of the property is hereby specifically stated by the	writing the agreed or declared value of	of a of shipper a weight, the property.	per		of bill of lading approved by the interstate Commerce Commission.
			_ Shipper, Per				Agen
Permanent p address of s	post-offi hipper,	· 75 750			Per		
		CT-10-68	ව	1			

Consigned	TO	CUDDs (D) Common in agramma good water, common at anoth tree territory of its leightens operation, exhibited in position, territory of its leightens operations, exhibited in territory of its leightens operations, exhibited in the next party at 20% time forces per (ii) its due thater freed Charliesters in effect that its a freed of the common of conditions on the conditions of heater product to be the design of the Cunbury General	ion	or street address: or purposes of sold	the explicible sind forth in the ethic contamonity.)	e contex abstidies illumina et tariff	Subject to Seeders 7 of condition, if this silpric is to be delivered to the consignor without record as the tensions, the confignor while sign of belowing statement:
		m Dalway Shipmanca, malanon "CCO" must appear be? Old Trail Rd.	-	•	n Dem	Cib.	The current shall not make delivery of the shipment without payment of freight and all sub- landed charges.
Desunation	n —	Country	PA	State 1	7876		
Proute		County	Delivery Address*				
				•			(Signature at comprisor.)
Delivering	Carrie	r	Car o	r Vehicle Initials and No	·		C. O. D. Charges to be
Collect on	Delive	ory \$	And Remit to				☐ Shipper ☐ Consignee
		Street		City		State	Il charges are to be proposed with stamp here. To be Proposed.
N1. Packeges	run.	And of Pagage, Description of Antonio	Special Marks, and Exceptions	"Preight (Subject to Cornection)	Cines by Rose	Column	
						· · · · · ·	
1	\vdash	load water		5000	. gal		Retained \$ts ap:
		#2		}]]		described acress.
							Agont or Carling
VFE#	┝─┼	51254			 		(the alterant pair symponymites only
PI#	1	37-115-20149	1				the arrors propert
			·				1 .
<u>Thok!</u>		105					† "The films considers used for this shippy
)]=fa#		AF- 722.55					consorms to the specifications set forth in the transler's creditions thereon, and all other registered of Rule 41 of the Uniform Feelpht Character and Rule 5 of the National Richard Prej
NOTE - Where	the east is d	nemawo guna hij a cuntar by water, the two requires that she be dependent on value, shippers are required to state specifically to relies all the paraperty is hereby specifically scatted by t	o auticus grandes at accious As yes of the book	orty.	ser		Chalifizated Tables to Ben of stones not a port of be of lating approved by the interactionness Communication.
			Shipper Per				
		To To To					
Permanent p	est-office	A.S. J.A	Shipper, Per		Per ·		

STRAIGHT BILL OF LADING—SHORT FORM ORIGINAL - NOT			NOT NEGOTIABLE		ors No. 2556			
ier's N	lame:	sarron Tru	cking				Саптіе	r's No.
	ubject to the ck	estifications and tariffs in eff	ect on the date of the issue					
at	Dimock	Two.	(Date) <u>5-3</u>	11-10	FROM_SRI	R/CAbo	<u>t</u>	
the property desthroughout this or routes, or with of said route to Bill of Lading Shipper hereby and the said to	scribed below, in contract as max within the territor, to destination, and set forth [1] in certifies that he erms and condition	appeared good order, except aging any person or corporation of its highway operations. I as to each party at any it the Uniform Propht Classific is foundlier with all the terming are hereby agreed to by	as noted (contents and condi- on in possession of the pro- otherwise to deliver to anol- me interested in all or any- nation in effect on the date me and conditions of the sa- the shipper and accepted for	tion of contents of peckap perty under the contract! her corner on the route of said property, that ev hereof, if this is a tail id bill of lading, including lakenself and his assigns.	ges unknown), marked, coosigned, a sprees to earry to its usual pla- to said destination. It is matually any service to be performed between or mil-water shipment, or (2) In ag those on the back thereof, set	nd destined as sho ee of theirery at agreed, as to es der shall be subje the applicable mo forth in the class	own below, which is said destination. If it is carrier of all it is to all the terms too carrier classification or mail!	aid company tibe word company being understood in his own nairond, mater line. Mighaay room or any of said property over all or say portion and conditions of the Uniform Domestic Mining one certific mode of the condition of the said of the Mining of the condition of the said of the Mining of the condition of the said of the Mining of the management of the said of the said of the condition of the said of the condition of the said of the condition of the said of the condition of the said of the condition of the said of the condition of the said of the condition of the said of the condition of the said of the condition of the cond
		Johnstown ry Shipments, the letters "COO"		(was	or street sociess for purposes of notif	ication only.)		Subject to Section 7 of conditions, it this supports is to be delivered to the consignor without recours on the consignor, the consignor shall sign the following statement:
			- 5₫		Johns	town	Clty	The carner shall not make delivery of this shipment without payment of freight and all cabe havful charges.
		County _		Dalamar	State1	5906	Zip	·
110010			(*To be filled in	only when shipper dealizes a	and governing tariffs provide for deliver	y thereal.)		(Signature of consignor.)
_					or Vehicle Initials and No			C. O. D. Charges to be Paid by Shipper Consignee
,		Stro	eet		City		State	if charges are to be prepaid, write o name here. To be Prepaid.
No. Packages	H.M.	Kind of Package, Desc	ription of Articles, Special Marks	and Exceptions	"Weight (Subject to Correction)	Cines or Paris	Check Column	
_1		laod wa			4520	gal		Recrived \$to apply in prepayment of the charges on the propert described hereon.
			# 2			 		Agent or Cashier
<u> </u>		51244						Per The signature hers acknowledges only the amount prepaid.) Charges Advanced:
APT	1	37-115- 115 V	-20149	***				S
Tru Dla	- 3 1//	181715	PTG20	3N				1 "The fibre containers used for this shipme conform to the specifications see forth in the be maker's certificate thereon, and all other requiremen- of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freig Classification."
		borts by a carrier by water, the law it on value, shippers are required to : I the property is hereby specific			shipper's weight. operty.	per		tShipper's imprint in lieu of stampt not a par of bill of luding approved by the interstra Commerce Commission.
	()1	un Ri						Ager
Permanent p address of sh	eat-office					Per		

	ORIGINAL - NOTA	EGOTABLE		Shippe	ers No. <u>2557</u>
Barron Trucking				Carrie	r's No.
T WD. (Date) 5-	<u>-31–10</u>	_FROM <u>S</u>	RWR/Cal	ot	
la apparara gond order, except us noted (contratts and conflicts) meaning any person or corporation in possession of the pro- ticacy of the highways operations, described to deliver us another produced by the conflict of the conflict of the conflict of the delivery in the Uniform Freight Classification in effect on the delivery in the familiar with all the lerms and conditions of the said dillows are hereby agreed to by the shipper and accepted to dillows are hereby agreed to by the shipper and accepted to the conflict of the con	on of contents of packages will crity sinder the consinct; agrees or carrier on the route to said of said property, that every ser- hereof, if this is a rail or hall bill of biding, including thos himself and his assigns.	moven), marked, consigned, to carry to its estal) pl d destination. It is mutually let to be performed heres I-water shipment, or (2) it e on the back thereof, so	and destined as abo ace of delivery at y agreed, as to et ander shall be subje to the applicable mon it forth in the class	was below, which a sold designation, if ch capter of all a ct to all the terms or earrier elemificat sollection or tariff	used company (the word exispany being understood on its own calizoad, water like, highway rouse or any of said property over all or any portion is and conditions of the Uniform Donestic Suightues of building the property suightues of building the said conditions of the Uniform Donestic Suightues of building orders the unapportation of this shipment which governs the transportation of this shipment.
	(Mail or stre	et address for purposes of no	(Boston only.)		Subject to Section 7 of conditions, if this shipmen is to be selevated to the consigner without recourse on the consignor shall sign the following statement:
41 Asphalt Rā. s	treet	Johnstown		City	The curier stail not make delivery of this shipment without payment of freight and all other lawlth charges.
County	Delivery	State159	05	Zip	
(★Ta be filed in t	nly when shipper desires and gov	eming tariffs provide for delive	ery thereat.)		(Signature of consignor.)
					C. O. D. Charges to be Paid by Shipper Consignes
Street		City		State	If charges are to be prepaid, write or stamp here, "To be Prepaid."
. Kind of Package, Description of Articles, Special Marks, r	and Exceptions	"Weight (Subject to Correction)	Class or Rate	Check Column	
load water		4620	gal	:	Received 3 to anot
# 2					in prepayment of the charges on the propert described hereon.
51244					Agent or Cashier
37_115_20149				•	(The signature here acknowledges only the amount prepald.) Charges Advanced:
BW-3 -11	•				
44B3789 PT	Q849 F	Pa.			t "The fibre comminers used for this shipmer conform to the specifications set forth is the be nature's certificate thereon, and all other requiremen- of Rule 41 of the Uniform Fielght Classification and Rule 5 of the Naturnal Moor Freigi Classification."
non more for a corrier by water the last rectimes that the hill of lading shall or	the Whether it is corrier's or shinner's	welshi.			Shippers imprint in lies of stamp: not a pa
	classifications and tariffs in effect on the date of the bissue T vvo. It is apparent pool codes, except as both decented and confining and act to confidence of the highway operations. Otherwise to deliver to and at the case party at any time interval in all or any the laterate in all or any the laterate in all or any to be the thirteen Pright Classification in effect on the date in all ones we hereby agreed to by the abupar and accepted for Johnstown Recionals entirely agreed to by the abupar and accepted for any the state of the date in the state of the s	classifications and tariffs in effect on the date of the Issue of this Bill of lading. Two . (Date) 5-31-10 In apparent pool order, except as period (centrate and condition of centrate and condition of centrate and condition of centrate and condition of the condition of the period of the condition of the centrate of the condition of the centrate of the condition of the centrate of the condition of the centrate of the centrate of the centrate of the centrate of the centrate of the centrate of the central	Car or Vehicle Initials and N Street Car of Package, Description of Articles, Special Marks, and Exceptions And Remit to Street City	Casesifications and tariffs in effect on the date of the Issue of this Bill of lading. Two. (Date) 5-31-10 FROM SRWR/Caix In apparent good order, except as need (centrate and conflicion of centrate of packages unknown), market the consequency and the consequency and the conflicion of the propriety and the consequency and the consequency and the conflicion of the propriety and the consequency and the	Barron Trucking classifications and tariffs in effect on the date of the bases of this Bit of liading. Two. (Date) 5-31-10 FROM SRW/Cabot In appearum good order, except as more (centrate and conficient of contacts of pertages unknown), marked, contaged and declined as shown below, which a contact of the performance of the performa

Permanent post-office address of shipper,

STRAIGHT BII	L OF LADING-	SHORT FORM

ORIGINAL - NOT NEGOTIABLE

Shipper's N	Jn.	25	5ੁਂਟੇ	

		Baron Trucking			Carrie	r's No.
		the classifications and tariffs in effect on the date of the issue of this Bill of lading,				
at Dia	noc:	k Twp. (Date) 5-31-10	FROM SRI	1R/Cabo	t	
the property describence this control of said route to Bill of Lading a Shipper hardy cand the said letters.	rribed be contract ithin the destinat set forth certifies ms and	(Date) 5-31-10 love, in apparent good order, except as world (contents and condition of contents of packages and as menaling any person or corporation in possession of the property under the contract) agree (territory of the highway operations, otherwise to deliver to another center on the rorner to salt cont, and as to each gorry at any time interested in all we any of said property, that every set (1) is the highforn freight and a reflect on the date hercal it this is a full or rail conditions are hereby agent to by the shipper and accepted for himself and his essigning thou	moven), marked, consigned, to carry to its usual plid destination. It is mutual plid destination, it is mutually vice to be performed berut vice to the performed berut ill-water shipment, or (2) in a on the back thereof, see	and destroed as she are of delivery at y agreed, as to ea nder shall be subje the applicable mor t forth in the class	run below, which a said destination, M seh carrier of all et to all the serms for carrier classificat suffication or land	said company (the word company being understood on his own railrood, water line, highway routs or any of said property over all or any portion or any conditions of the Uniform Domestic Somighton or tard if it has a prioric carrier shipment which powers the transportation of this shipment
Constant .	TΩ	(Mail or stree Johnstonn Regioanls ewage Debreg Shipments, the letters "COO" must appear before consigner's name or as otherwise provided in its	et accress tor purposes of nou	ficution only.)		Subject to Section 7 of conditions, if this shipmer is to be delivered to the consigner without recours on the consignor. the consignor shall sign the following statement:
		nd Delivery Shipments, the letters COOP must appear before consigned's name or as otherwise provided in his 41 Aschalt RG. StreetStreet		<i>a</i> n	City	The extrest shall not make delivery of this shipment without payment of freight and all othe lowful charges.
		County OF	State 5906			
Route		County Delivery Address *	aming tartie availes for dalam	Arthomat)		(Signature of consignor)
		r Car or Ve				C. O. D. Charges to be
_		ery \$And Remit to				Paid by □ Shipper □ Consignee
		Street	City		State	If charges are to be prepaid, write o stamp here. To be Prepaid,
No. Packages	нм	Kind of Package, Description of Articles, Special Marks, and Exceptions	*Weight (Subject to Correction)	Class or Rate	Check Column	
1		load water	4520	gal		Received \$
		<u> </u>				In prepayment of the charges on the propert described hereon.
ape#		51244				Agent or Cathler
Será		37-115-20149				(The signature here acknowledges only the ornown prepaid.) Charges Autonocck
351 ii	\dashv					<u> </u>
noh:	3	B/17-BW2T				t "The libre comminers used for this shipmen conform to the specifications set forth in the be
<u>Plata</u>	<u>.</u>	44 R 1715 Pa-PT 6203112 K	, , , , , , , , , , , , , , , , , , ,			major's cardificate thereon, and all other requirement of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification.
NOTE Where the	e note is d	see a two posts by a cerarie fly water, the haw requires that the bill of balle; shall state whether it is carrier's or shipper's topendent on value, shippers are required to state specifically in whiting the agreed or declared value of the property, a lites of the property is haveby specifically stated by the shippers to be not exceeding	wright.			Shipper's imprint in lieu of stamp; not a pa of hill of lading approved by the internal Constructed Commission.
(\searrow	Para Barron Shipper, Per		per		Ager
Permanent pos address of ship		1		Per		

AHT BILL OF LADING—SHORT FORM ORIGINAL - NOT NEGOTIABLE

Shipper's No. 2559

Camers Name: MBarron Trucking							Carrie	r's No.
		o the classifications and tariffs in effect on the date o		•				
at SDi	moc	Ch. TWO. (Date) telow, in apparers good order, except as noted (contents as meaning any person or corporation, to posteriors of the highway operations, otherwise to definition of its highway operations, otherwise to definite allow, and as to exch pure at any time interests in a fifth of the corporation of the content o	<u>5-31-10</u>	FF	ROM <u>53</u>	WR/Cabo	た	
the property de throughout this	contract	elow, in apparent good order, except as noted (contents as meaning any person or corporation in possession o	and condition of contents of po f the property under the contr	nckages unknown). act) agrees to car	marked, consigned, by to its usual pi-	and destined as sho are of delivery at	men below, which sold destination, it	said company (the word company being understoo
of said route	to destina	at the cash party at only time interested in a to (1) in the Uniform Freight Classification in effect on	or any of said property, that the date hereof, if this is a	every service to mil or mil-evaler	be performed bereu shapment, or (2) in	ader shall be subjet the applicable rec	et to all the term: for exerter classifica	s and conditions of the Uniform Domestic Straightion or tariff if this is a motor carrier shipmen
Shipper hereby and the said	centifies terms sad	that he is familiar with all the terms and conditions conditions are hereby agreed to by the shipper and ac-	of the said bill of lading, loc repted for himself and his assig	luding those on t mi.	se back thereof. se	t forth in the clas	sification or taxiff	which governs the transportation of this shipmen
Consigner	oT b	Johnstown Regiona	l Sewage	Mail or street active	a for purposes of not	fication only.)		Subject to Section 7 of conditions. If this shipmer is to be delivered to the consigner without recours on the consignor shall sign to following storyment:
-		on Delivery Shipments, the letters "COD" must appear before o				L	•	The carrier shall not make delivery of the shipment without payment of freight and all other
Destinatio		241 Asphalt Rd.				<u>town</u>	City	lawithi charges.
		County			1590		Zip	
Route		(*To	Delivery Address*		····			
								(Signature of consignor.)
Delivering	Carrie	er	C	ar or Vehicle	Initials and N	0		C. O. D. Charges to be
Called on	Dollar	ery \$	And Remit to					Paid by ☐ Shipper ☐ Consignee
Collect on	Denvi	51 y 4	AND HOUSE TO					15 15 15 15 15 15 15 15 15 15 15 15 15 1
		Street			City		State	If charges are to be prepaid, write a stamp here, "To be Prepaid."
No. Packages	нм.	Kind of Package, Description of Articles, Sp.	scial Marks, and Exceptions		Walght (Subject to Correction)	Class or Rate	Check Column	
1_		<u>load water</u>			1520 <u> </u>	gal		Received \$to appl in prepayment of the charges on the propert
				Ì				le prepayment of the charges on the propert described hereon,
		\$2						
are:		51244						Agent or Cashier
1841 25,	 	31223				 		(The rignature here acknowledges only the amount prepaid.)
API#		_37-115-20149					1	the amount prepaid.) Charges Advanced:
		B1,-2	1					<u> </u>
Truc.	4 ir	10 0 5 - F	/					t The fibre combiners used for this shipmer conform to the specifications set forth in the bo
Plate	e : -	4483789-1	19849P-	Pa				maker's certificate thereon, and all other requirement of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight
"If the shipment NOTE —Where	moves bet	ween two ports by a carrier by water, the law requires that the till of dependent on value, shippers are required to state specifically in wr	lading shall state whether it is carrier's ting the agreed or declared value of th	or shipper's weight. is property.				Classification." †Shipper's imprint in lieu of stamp not a pa of bill of lading approved by the interstate
	_	spine of the property is hereby specifically stated by the a				per		Commerce Commission.
K	rle	& Hottle	Shipper, Per					Agen
Permanent p address of s	pget-offic Honer	re				Per		
2201000015	· · · · · · · · · · · · · · · · · · ·					1.0		

Shipper's No	2560

Carrier's Name					Carrie	r's No.
TOEIVED, subjec	t to the classifications and tariffs in effect on the date					
	CH TUP. (Dat	e) 5-31-10	FROM_S	NMR/Cabo	<u>さ</u>	
the property described throughout this contra or routes, or within of taid route to dest Bill of Lading set of Shipper hereby certificand the said terms of	below, in apparent good order, except as moted sconers as maning any person or corporation in postession the territory of its highway operations, otherwise to demailson, and as to each party at any tome interested in ord 111 in the Uniform Freight Classification in effect es that he is familiar with all the terms and conductor are hereby agreed in by the Simper and executions are hereby agreed in by the Simper and	as and condition of contents of pactage of the property useful the contract a liver to another carrier on the route to all or any of said property, that extent on the date hereof, if this is a rail on the date hereof, if this is a rail on the said till of lading including accepted for hinter! and his assigns.	unknown), marked, consigned, grees to carry to its usual i sand destination it is mutual service to be performed her in rail-water shipment, or (2) those on the back thereof.	and destined as she place of delivery at illy agreed as to er runder shall be subje- in the applicable mo- set forth in the clar	own below, which said destination if she carrier of all ct to all the terms for carrier classification or tariff	said company (the word company being understood for his own railtoad, water line, legbway route or any of said property over all or any portion or any continued of the Uniform Donestic Straight soon or said if that is a motor carner shipment which governs the transportation of this shipment.
Consigned TO	Johnstown Region	naolS ewage	r street address for purposes of ru	otification only.)		Subject to Section 7 of conditions, if this shipment is to be delivered to the consigner without recourse on the consignor, the consignor shall sign the following statement.
			innet	own	Citv	The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.
Destriation	241 Asphalt Rd.	oneer	State15	906	/	
					Zip	
Houle	(7	To be filled in only when shipper desires and	governing taniffs provide for deli-	very thereat-)		(Signature of consignor.)
	rier				-	C. O. D. Charges to be
Collect on Deli	very \$	And Remit to				Paid by Shipper Consignee
						If charges are to be prepaid, write or stamp here. To be Prepaid,"
	Street					stamp here. "To be Prepaid."
Packages H.M.	Kind of Package. Description of Articles,	Special Marks, and Exceptions	*Welght (Subject to Correction)	Class or Rate	Chack Column	
1	loać water		4520	gal		Received \$
	#2					in prepayment of the charges on the property described hereon.
AFE#	51244					Agent or Cashier
API#	37-115-2014	5				The arguature here acknowledges only the amount prepaid) Charges Advanced
Truct,	BW/	MARSOTH	: 5L181			t 'The fibre containers used for this shipmen
Letes:	YXT5201					conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Moor Freight
	etween two ports by a carrier by water, the Law requires that the bill is dependent on value, shippers are recoved to stale specifically in ed value of the property is hereby specifically stated by the		pper s weight.	per		Classification." Classification: in the of stamp not a part of bill of lading approved by the Interstate Commerce Commission.
B'1	DEANER	_Shipper, Per				Agent
Permanent post-of address of shipper	i:ce		7	Per		



PO BOX 209, MCELHATTAN, PA 17748 PHONE: 570-769-6977 FAX: 570-769-7366 HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00

DATE: 5/21/2010

TICKET: 399594

TIME: 10:53:02 - 11:44:47

TRUCK: FCI 900

CUSTOMER: 809/CABOT OIL & GAS CORPORATION

FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

GROSS: 63320 LBS Scale

TARE: 35840 LBS Scale

PROFILE: CAB2. 2H4H WELL - CABOT OIL & GAS

NET: 27480 LBS

GENERATOR 111/CABOT OIL & GAS CORP

TONS: 13.74 TNS

GRID: DC1/N 3049.96 E 11444.40 ELE 648.69 COMMENT:

MANIFEST: S239867

ORIGIN	MATERIALS & SERVICES	PCT QU	JANTITY RATE	AMOUNT
58/SUSQUEHANNA	801/DRILLING RESIDUALS	100	13.74 @ \$29.50 per Ton	\$405.33
			TOTAL FEES:	\$144.28
			TOTAL AMOUNT:	\$549.61

FEES COMPRISED OF THE FOLLOWING:

DISPOSAL/SERVICES:	\$405.33
HOST COMMUNITY FEE: @ \$1.25 PER TON	\$17.18
PA RECYCLING FEE: @ \$2.00 PER TON	\$27.48
ENVIRONMENTAL STEWARDSHIP FEE: @ \$4.25 PER TON	\$58.40
HOST COUNTY FEE: @ \$3.00 PER TON	\$41.22

IN OPERATOR: JESSICA - 70953

DRIVER: Fri May 2010 05/21/10 11:44:45 OUT OPERATOR: JESSICA - 70953

www.waynetwplandfill.com E-MAIL: ccswa@waynetwplandfill.com

CABOT-EPA 007499

Wayne To	ownship La	ndfill	PADEP Per	rmit#100955	R	esiduai	Waste	Manifest	No S	239867_	
Generato	r Name	Cabot Oi	I & Gas Corp	oration							
Generator	Location		2H4H WELL-I	LAT414422.03	N - LONG7	55400.7	4W - DIP	MOCK TWI	P - SUSQ	UEHANNA CTY	
Contact N	lame	Chris Lov	vman		Cell# 4	12-580-	8659	0	ffice# 4	112-249-3927	
Profile	CAB2	_(3-letter	code)		Carrier _		_ (3-lett	ter code)		Truck# 900	
Customer	/Charge To	809	(3-digit nu	mber)	Origin	58	(2-dig	it numbe	r)		
WASTE			DE	SCRIPTION (OF WASTE					PERCENTAGE	
801	drilling res	iduals from	natural gas i	well drilling -	WTL EC#28	0344 - 5	5/12/201	LO		100)%
 	TOTAL PE	RCENTAGE								100)%
ł	•	•	nazardous waste si ments of 40 CFR 26	•	•		•		h e w aste ha	25	
GENERAT	OR SIGNAT	THE OF C	ERTIFICATIO	N/TITLE 5	mod-			DATI	5.	2)-10.	
TRANSPO	RTER - DRI	VER SIGNA	ATURE	MH# & MC	YR EXPI	RATION		DAT	E 5~	21-10	
LANDEILL	WASTE IN	SPECTOR S	ANATURE	70	753 AG	CEPTEL	;)]-	REJEC	CTED	11:44	_
WEIGHM	ASTER SIGN	NATURE /	\ \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	LICENSE#	·····	DATE		TIME	(AM /)	PIN)	
									$\overline{}$		_



FU BOX 209, MCELHATTAN, PA 17748 PHONE: 570-769-6977 FAX: 570-769-7366 HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00

TICKET: 399603 DATE: 5/21/2010

TIME: 11:00:09 - 12:00:48

TRUCK: FCI 797

CUSTOMER: 809/CABOT OIL & GAS CORPORATION

FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

GROSS: 64200 LBS Scale

TARE: 35440 LBS Scale

PROFILE: CAB2 2H4H WELL - CABOT OIL & GAS NET: 28760 LBS GENERATOR 111/CABOT OIL & GAS CORP TONS: 14.38 TNS

GRID: DC1/N 3049.96 E 11444.40 ELE 648.69 COMMENT:

MANIFEST: S192162

ORIGIN·	MATERIALS & SERVICES	PCT QU	ANTITY RATE	AMOUNT
58/SUSQUEHANNA	801/DRILLING RESIDUALS	100	14.38 @ \$29.50 per Ton	\$424.21
			TOTAL FEES:	\$151.00
	•		TOTAL AMOUNT:	\$575.21

FEES COMPRISED OF THE FOLLOWING:

DISPOSAL/SERVICES:	\$424.21
HOST COMMUNITY FEE: @ \$1.25 PER TON	\$17.98
PA RECYCLING FEE: @ \$2.00 PER TON	\$28.76
ENVIRONMENTAL STEWARDSHIP FEE: @ \$4.25 PER TON	\$61.12
HOST COUNTY FEE: @ \$3.00 PER TON	\$43.14

IN OPERATOR: JESSICA - 70953

DRIVER: Fri May 2010 05/21/10 12,00:47 **OUT OPERATOR: JESSICA - 70953**

www.waynetwplandfill.com E-MAIL: ccswa@waynetwplandfill.com

CABOT-EPA 007501

Mayno	wnship La	ndfill	PADEP Permit#100	DEE	Pocidual	Macta Man	nifest No S	10711	
•	•			1333	veziangi	waste ivia	Illiest MO	172160	<u></u>
Generato	r Name	Cabot Oil	& Gas Corporation						
Generator	Location		2H4H WELL-LAT41442	2.03N - LONG	755400.7	4W - DIMO	CK TWP - SUS	QUEHANNA	CTY
Contact N	lame	Chris Low	/man	Cell#	412-580-	-8659	Office#	412-249-3	927
Profile	CAB2	_{3-letter	code)	Carrier		_ (3-letter	code)	Truck#	-M1
Customer/	Charge To	809	(3-digit number)	Origin	58	(2-digit n	umber)		
WASTE			DESCRIPTION	on of Wast	E			PERCE	VTAGE
801	drilling resi	iduals from	natural gas well drilli	ng - WTL EC#2	80344 - 9	5/12/2010			100%
	TOTAL PE	RCENTAGE							100%
Generator Cert	tification: I herel	y certify that t	he above named material(s) is	not hazardous wa	ste as define	d by CFR Part 26:	1 or any applicab	le state	
law, has been I	properly describ	ed and package	ed and is in proper condition fo	or transportation a	ccording to a	pplicable regulat	tions AND if the v	vaste is a	
treatment resid	due of a previou	sly restricted h	azardous waste subject to the	Landfill Disposal R	estrictioN, I c	ertify and warra	nt that the waste	has '	1
been treated in	accordance with	th the requirem	ents of 40 CFR 268 and is no lo	onger hazardous d	defined by 4	10 CFR Part 261.			
GENERAT	OR STENAT	URE OF CE	RTIFICATION / TITLE	- ,			DATE		
	2	ann.	LRIS S	cont-			50	2/-/0	`
TRANSPO	RTER - DRI	PR SIGNA	TURE WH# &	MO/YR EXP	IRATION		DATE		
FCI	· Xoll	et Du	4 WHO75	4 APRIL	2011		5-21	-10	
LÁNDFILL	WASTE INS	PECTOR S	IGNATURE 709	753 ′	CCEPTED	31-15	REJECTED)	19.	00
WEIGHMA	STER SIGN	ATURE	LICENS	E#	DATE		TIME (AM	//PMI)	
								$\overline{\Box}$	



FO BOX 209, MCELHATTAN, PA 17748 PHONE: 570-769-6977 FAX: 570-769-7366 HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00 TICKET: 399623 DATE: 5/21/2010

TIME: 11:54:08 - 12:50:53

TRUCK: FCI 776

CUSTOMER: 809/CABOT OIL & GAS CORPORATION

FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

GROSS: 77460 LBS Scale

TARE: 36880 LBS Scale NET: 40580 LBS

PROFILE: CAB2, 2H4H WELL - CABOT OIL & GAS

GENERATOR 111/CABOT OIL & GAS CORP

TONS: 20.29 TNS

GRID: DC1/N 3049.96 E 11444.40 ELE 648.69

COMMENT: MANIFEST: WH0754

ORIGIN	MATERIALS & SERVICES	PCT Q	UANTITY RATE	AMOUNT
58/SUSQUEHANNA	801/DRILLING RESIDUALS	100	20.29 @ \$29.50 per Ton	\$598.56
			TOTAL FEES:	\$213.04
			TOTAL AMOUNT:	\$811.60

FEES COMPRISED OF THE FOLLOWING:

 DISPOSAL/SERVICES:
 \$598.56

 HOST COMMUNITY FEE: @ \$1.25 PER TON
 \$25.36

 PA RECYCLING FEE: @ \$2.00 PER TON
 \$40.58

 ENVIRONMENTAL STEWARDSHIP FEE: @ \$4.25 PER TON
 \$86.23

 HOST COUNTY FEE: @ \$3.00 PER TON
 \$60.87

IN OPERATOR: JESSICA - 70953

DRIVER: F11 MBy 2010 0 05/21/10 12:50:52 OUT OPERATOR: JESSICA - 70953

www.waynetwplandfill.com E-MAIL: ccswa@waynetwplandfill.com

CABOT-EPA 007503

Wayne To	wnship Lar	ndfill	PADEP Permit#10	0955	Residual	Waste Manifest N	10 WHO754
Generator	r Name	Cabot Oil	& Gas Corporation				
Generator	Location		2H4H WELL-LAT4144	22.03N - LONG	755400.7	4W - DIMOCK TWP	- SUSQUEHANNA CTY
Contact N	ame	Chris Low	man		412-580-		ice# 412-249-3927
Profile	CAB2	(3-letter o	code)	Carrier	PCI	(3-letter code)	Truck#_726
Customer/	Charge To	809	(3-digit number)	Origin	58	(2-digit number)	
WASTE			DESCRIPT	ION OF WAST	E		PERCENTAGE
801	drilling resi	duals from	natural gas well dril	ling - WTL EC#2	80344 - 5	/12/2010	100%
			•				
	TOTAL PER	RCENTAGE					100%
Generator Cert	ification: hereb	y certify that th	he above named material(s)	is not hazardous was	ste as defined	by CFR Part 261 or any ap	plicable state
law, has been ;	aroperly describe	ed and package	d and is in proper condition	for transportation a	ccording to ap	oplicable regulations AND it	f the waste is a
treatment resid	due of a prepions	sly restricted ha	azardous waste subject to th	ne Landfill Disposal R	estrictioN, I c	ertify and warrant that the	waste has
been treated in	accompance with		ents of 40 CFR 268 and is no	longer hazardous as	defined by 4	0 CFR Part 261.	
	- gran		JRK Sopt			5-21	-/0
GENERAT	JŘ SIGNATI	URE OF CE	RTIP/CATION / TITI	Eall	/ann.	DATE DATE	
	homos	1 Yey			APRI		
TRANSPO	RTERY DRIV	/ER SIGNA	TURE WH#	& MO/YR/EXP	IRATION	DATE	
	Kul	-			<u> </u>		· · · · · · · · · · · · · · · · · · ·
LANDFILL	WASTE INS	PECTOR SI	GNATURE 7	5953	CCEPTED	-21-1 REJECT	125°
WEIGHM/	ASTER SIGN	ATURE	LICEN	ISE#	DATE	TIME ((AM') PM)



. _ BOX 209, MCELHATTAN, PA 17748 PHONE: 570-769-6977 FAX: 570-769-7366 HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00

TICKET: 399904 DATE: 5/24/2010

TIME: 07:31:05 - 08:11:20

TRUCK: RED900

CUSTOMER: 809/CABOT OIL & GAS CORPORATION

FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

GROSS: 72480 LBS Scale

TARE: 37180 LBS Scale

2H4H WELL - CABOT OIL & GAS PROFILE: CAB2 NET: GENERATOR 111/CABOT OIL & GAS CORP

35300 LBS TONS: 17.65 TNS

GRID: DC1/N 3049.96 E 11444.40 ELE 648.69

MANIFEST: S239868

COMMENT:

PCT QUANTITY RATE ORIGIN **MATERIALS & SERVICES** AMOUNT 58/SUSQUEHANNA **801/DRILLING RESIDUALS** 100 17.65 @ \$29.50 per Ton \$520.68 TOTAL FEES: \$185.32

TOTAL AMOUNT: \$706.00

EES COMPRISED OF THE FOLLOWING:

DIM0227454

DISPOSAL/SERVICES: \$520,68 HOST COMMUNITY FEE: @ \$1.25 PER TON \$22.06 PA RECYCLING FEE: @ \$2.00 PER TON \$35.30 ENVIRONMENTAL STEWARDSHIP FEE: @ \$4.25 PER TON \$75.01 HOST COUNTY FEE: @ \$3.00 PER TON \$52.95

DRIVER: Mon May 2010 05/24/10 08 11:19 OUT OPERATOR: JESSICA - 70953

www.waynetwplandfill.com E-MAIL: ccswa@waynetwplandfill.com

Wayne To	wnship Lai	ndfill	PADEP Pe	rmit#100955	R	esidual	Waste Mar	nifest No	5 23986	8
Generato	r Name	Cabot Oi	l & Gas Cor	poration						
Generator	Location		2H4H WELL	-LAT414422.03	3N - LONG7	55400.74	4W - DIMOC	K TWP - SU	JSQUEHANNA (TY
Contact N	lame	Chris Lov	vman		Cell# 4	12-580-	8659	Office	# 412-249-39	27
Profile	CAB2	(3-letter	code)		Carrier		(3-letter o	ode)	Truck#	00
Customer/	Charge To	809	(3-digit no	umber)	Origin	58	(2-digit nu	ımber)		
WASTE			D	ESCRIPTION	OF WASTE				PERCEN	TAGE
801	drilling resi	duals from	natural gas	well drilling -	WTL EC#28	0344 - 5	/12/2010			100%
	TOTAL PER	RCENTAGE	:							100%
Generator Cert	tification: I herel	y certify that	the above named	l material(s) is not i	hazardous wast	as defined	by CFR Part 261	or any applica	able state	
law, has been p	properly describ	ed and packag	ed and is in prop	er condition for tra	nsportation acc	ording to ap	plicable regulati	ons AND if the	waste is a	
treatment resid	due of a previou	sly restricted h	nazardous waste	subject to the Land	fill Disposal Res	trictioN, I co	ertify and warrar	nt that the was	ste has	
been treated ir	n accordance wit	h the requirer	ments of 40 CFR 2	168 and is no longer	hazardous as d	efined by 4	0 CFR Part 261.			
		\mathcal{A}								
GENERAT	OR SIGNAT	ure of c	ERTIFICATION	N / TITLE	. ,			DATE		í
		Man.		P/2 30	102.				21-10	
Transpoi	RTER - DRI	/ER SIGN/	ATURE	W & #1640	O/YR EXPI	RATION		DATE	011	
tip	Conh		DR+ 1/1	Valla 1:	<u>: </u>	\sim			-29-10	
LANDFILL	WASTE INS	PECTOR	IGNATURE	7000	-Z AC	CEPTEL		REJECTE	9 5 1	
	-X	MA		<u> </u>	<u>ب</u>	D ^	<u> </u>		$\nearrow \bigcirc \cap \bigcap$	
WEIGHMA	ASTER SIGN	ATURE		LICENSE#		DATE		TIME (AN	и /)PM)	
	_									



. 3OX 209, MCELHATTAN, PA 17748 PHONE: 570-769-6977 FAX: 570-769-7366 HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00 TICKET: 399907 DATE: 5/24/2010

TIME: 07:34:38 - 08:17:24

TRUCK: RED797

CUSTOMER: 809/CABOT OIL & GAS CORPORATION

FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

GROSS: 81240 LBS Scale

TARE: 37120 LBS Scale NET: 44120 LBS

TONS: 22.06 TNS

PROFILE: CAB2 2H4H WELL - CABOT OIL & GAS

GENERATOR 111/CABOT OIL & GAS CORP

GRID: DC1/N 3049.96 E 11444.40 ELE 648.69

COMMENT:

.

DIM0227454

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ORIGIN	MATERIALS & SERVICES	PCT Q	UANTITY RATE	AMOUNT
58/SUSQUEHANNA	801/DRILLING RESIDUALS	100	22.06 @ \$29.50 per Ton	\$650.77
			TOTAL FEES:	\$231.64
			TOTAL AMOUNT:	\$882.41

ZES COMPRISED OF THE FOLLOWING:

DISPOSAL/SERVICES:	\$650.77
HOST COMMUNITY FEE: @ \$1.25 PER TON	\$27.58
PA RECYCLING FEE: @ \$2.00 PER TON	\$44.12
ENVIRONMENTAL STEWARDSHIP FEE: @ \$4.25 PER TON	\$93.76
HOST COUNTY FEE: @ \$3.00 PER TON	\$66.18

IN OPERATOR: TRACY - 066750

DRIVER: Man May 2010 06/24/10 0B-17:22 OUT OPERATOR: JESSICA - 70953

www.waynetwplandfill.com E-MAIL: ccswa@waynetwplandfill.com

Wayne To	wnship La	ndfill	PADEP Permit#10	0955	Residual	Waste Manifest	Vo	192372	
Generato	Generator Name Cabot Oil & Gas Corporation								
Generator Location 2H4H WELL-LAT414422.03N - LONG755400.74W - DIMOCK TWP - SUSQUE									
Contact N	lame	Chris Lov	vman	Cell#	412-580-	-8659 O f	fice#	412-249-3927	
Profile	CAB2	(3-letter	code)	Carrier		_(3-letter code)		Truck# 797	
Customer/	Charge To	809	(3-digit number)	Origin	58	(2-digit number)		
WASTE			DESCRIPT	ION OF WAST	ΓE			PERCENTAGE	
801	drilling res	iduals from	natural gas well dril	ling - WTL EC#2	280344 - 5	5/12/2010		100%	
<u> </u>	<u>L</u>								
L	TOTAL PE	RCENTAGE	<u> </u>					100%	
Generator Cert	tification; I here	by certify that t	the above named material(s)	is not hazardous wa	iste as defined	d by CFR Part 261 or any a	pplicabl	e state	
law, has been	properly describ	ed and package	ed and is in proper condition	for transportation a	ccording to a	pplicable regulations AND	if the w	raste is a	
treatment resi	due of a previou	sly restricted h	azardous waste subject to th	ne Landfill Disposal R	RestrictioN, I c	ertify and warrant that th	e waste	has	
been treated in	n accordance wi	th the requiren	nents of 40 CFR 268 and is no	longer hazardous a	s defined by 4	10 CFR Part 261.			
		Д							
GENERAT	OR SIGNAT	URE OF CI	ERTIFICATION LITIT	LE ,		DATE			
	- K		Dels Sup	<u> </u>			يخوس	110	
TRANSPO	RTER DRI	VER SIGN	TURE WH#	& MO/YR EXI	PIRATION				
HCI	Dobut.	Drie	SHAKUMOR	34 APRIL	2011	<u> </u>	-21	-10	
L⁄ANDFILL	WASTE IN	SPECTOR S	SIGNATURE (0953	ACCEPTED.	24-10 REJECT	TED	3:17	
WEIGHMA	ASTER SIGN	ATURE	LICEN	NSE#	DATE	TIME	MA)	/ PM)	



BOX 209, MCELHATTAN, PA 17748 PHONE: 570-769-6977 FAX: 570-769-7366

HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00

TICKET: 400105 DATE: 5/24/2010

TIME: 15:14:04 - 16:05:46

TRUCK: FCI 797

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CUSTOMER: 809/CABOT OIL & GAS CORPORATION

FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

GROSS: 56480 LBS Scale

TARE: 35300 LBS Scale

PROFILE: CAB2 2H4H WELL - CABOT OIL & GAS NET: 21180 LBS

GENERATOR 111/CABOT OIL & GAS CORP

TONS: 10.59 TNS

GRID: DC1/N 3049.96 E 11444.40 ELE 648.69

COMMENT:

MANIFEST: 192373

ORIGIN	MATERIALS & SERVICES	•	JANTITY RATE	AMOUNT
58/SUSQUEHANNA	801/DRILLING RESIDUALS	100	10.59 @ \$29.50 per Ton	\$312.41
			TOTAL FEES:	\$111.20
			TOTAL AMOUNT:	\$423.61

3ES COMPRISED OF THE FOLLOWING:

DISPOSAL/SERVICES:	\$312.41
HOST COMMUNITY FEE: @ \$1.25 PER TON	\$13.24
PA RECYCLING FEE: @ \$2.00 PER TON	\$21.18
ENVIRONMENTAL STEWARDSHIP FEE: @ \$4.25 PER TON	\$45.01
HOST COUNTY FEE: @ \$3.00 PER TON	\$31.77

IN OPERATOR: JESSICA - 70953

DRIVER: MODY MBY 2010 05/24/10 16.05:45 OUT OPERATOR: JESSICA - 70953

www.waynetwplandfill.com E-MAIL: ccswa@waynetwplandfill.com

CABOT-EPA 007509

Wayne Township Landfill PADEP F			PADEP Per	mit#100955	R	esidual V	Vaste Mani	fest No	192373
Generator Name Cabot Oil & Gas Corp			& Gas Corpo	oration					
Generator	Location		2H4H WELL-L	AT414422.03	N - LONG7	55400.74	W - DIMOCK	TWP - S	USQUEHANNA CTY
Contact N	ame	Chris Low	/man		Cell# 4	12-580-8	659	Offic	e# 412-249-3927
Profile	CAB2	(3-letter	code)		Carrier_		(3-letter co	de)	Truck# 797
Customer/	Charge To	809	(3-digit nu	mber)	Origin	58	(2-digit nu	nber)	
WASTE			DE	SCRIPTION C	F WASTE				PERCENTAGE
801	drilling resi	duals from	natural gas v	vell drilling - V	VTL EC#28	0344 - 5/	12/2010		100%
	TOTAL PER	RCENTAGE							100%
Generator Cert	ification: I hereb	y certifý that t	he above named r	naterial(s) is not ha	zardous wast	e as defined b	y CFR Part 261 o	r any applic	cable state
law, has been p	properly describ	ed and package	ed and is in proper	condition for trans	portation acc	ording to app	licable regulation	ns AND if th	e waste is a
treatment resid	due of a previou	sky restricted h	azardous waste su	bject to the Landfi	ll Disposal Res	trictioN, I cer	tify and warrant	that the wa	aste has
been treated in	accordance with	The required	This of 40 CER 26	8 and is no longer h WHO75	azardous as o	lefined by 40		=24.	-10
GENERAT	OR SIGNAT	URE OF CE	RTIFICATIO	N /,TITLE				DATE	
	- h	lang	KIR	1 5cm	/			کی	24-10
TRAMSPO	RTER , DRIV	VER SIGNA	TURE	WH# & MÓ	/YR EXPI	RATION	· · · · · · · · · · · · · · · · · · ·	DATE	
120	th M	Max				<u>× </u>			
LANDFILL	WASTEINS	PERTOR'S	IGNATURE	7395	3 AI	CEPTED	24-10	REJECTE	P4:05
WEIGHMA	STER SIGN	ATURE		LICENSE#		DATE		ΠΜΕ (A	M (PM)



. 30X 209, MCELHATTAN, PA 17748 PHONE: 570-769-6977 FAX: 570-769-7366

DATE: 5/24/2010

TICKET: 400109

HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00

TIME: 15:16:56 - 16:20:19

TRUCK: FCI 900

CUSTOMER: 809/CABOT OIL & GAS CORPORATION

FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

GROSS: 75660 LBS Scale

TARE: 35860 LBS Scale

PROFILE: CAB2 2H4H WELL - CABOT OIL & GAS GENERATOR 111/CABOT OIL & GAS CORP

NET: 39800 LBS TONS: 19.90 TNS

GRID: DC1/N 3049.96 E 11444.40 ELE 648.69

COMMENT:

ORIGIN	MATERIALS & SERVICES	PCT Q	UANTITY RATE	AMOUNT
58/SUSQUEHANNA	801/DRILLING RESIDUALS	100	19.90 @ \$29.50 per Ton	\$587.05
_			TOTAL FEES:	\$208.96
•			TOTAL AMOUNT:	\$796.01

LES COMPRISED OF THE FOLLOWING:

DISPOSAL/SERVICES:	\$587.0 5
HOST COMMUNITY FEE: @ \$1.25 PER TON	\$24.88
PA RECYCLING FEE: @ \$2.00 PER TON	\$39.80
ENVIRONMENTAL STEWARDSHIP FEE: @ \$4.25 PER TON	\$84.58
HOST COUNTY FEE: @ \$3.00 PER TON	\$59.70

IN OPERATOR: JESSICA - 70953

CABOT-EPA 007511

DRIVER: Mon May 2010 08/24/10 18:20:18 OUT OPERATOR: JESSICA - 70953

www.waynetwplandfill.com E-MAIL: ccswa@waynetwplandfill.com

DIM0228744 DIM0227454

Wayne Township Landfill PADEP I			PADEP Per	mit#100955	R	esidual V	Naste Mar	nifest No	
Generato	r Name	Cabot Oil	& Gas Corpo	oration					
Generator	Location		2H4H WELL-L	AT414422.03	N - LONG7	55400.74	W - DIMOC	K TWP - SUS	QUEHANNA CTY
Contact N	lame	Chris Lov	/man		Cell# 4	12-580-8	659	Office#	412-249-3927
Profile	CAB2	(3-letter	code)		Carrier_		(3-letter o	ode)	Truck#900
Customer/	Charge To	809	(3-digit nu	mber)	Origin	58	(2-digit no	umber)	
WASTE	DESCRIPTION OF WASTE							PERCENTAGE	
801	drilling residuals from natural gas well drilling - WTL EC#280344 - 5/12/2010								100%
	TOTAL PE	100%							
Generator Cert	tification: I here!	y certify that t	he above named n	naterial(s) is not ha	azardous wast	e as defined l	by CFR Part 261	L or any applicab	le state
law, has been p	properly describ	ed and package	ed and is in proper	condition for tran	sportation acc	ording to app	olicable regulat	ions AND if the v	vaste is a
treatment resi	due of a previou	sly restricted h	azardous waste su	bject to the Landfi	ll Disposal Res	strictioN, I ce	rtify and warra	nt that the waste	has
been treated ir	n accordance wit	h the requirem	ents of 40 CFR 268	8 and is no longer !	nazardous as c	defined by 40	CFR Part 261.		
			}						
GENERAT	OR SIGNAT	URE OF C	RTIFICATION	N/TITILE/		9		DATE	
	\leq	1/2		112/5	<u> Sepif.</u>			<u> </u>	2420
TRANSPO	RZER - DŔI	ER SIGNA	TURE	WH# & WIC	YK EXPI	RATION		DATE	11/10
3/24/W									
LANDFÍLL	WASTE INS	SPECTOR S	IGNATURE	7095	ス A(CEPTED ゾンン	4-10	REJECTED	4:20
WEIGHMA	ASTER SIGN	IATURE	-	LICENSE#		DATE		TIME (AM	/ PM)
		U							\smile



PHONE: 570-769-6977 FAX: 570-769-7366 HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00 TICKET: 400217 DATE: 5/25/2010

TIME: 10:54:41 - 11:37:07

TRUCK: FCI 797

CUSTOMER: 809/CABOT OIL & GAS CORPORATION

FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

GROSS: 78100 LBS Scale

TARE: 36160 LBS Scale

PROFILE: CAB2 244H WELL - CABOT OIL & GAS NET: 41940 LBS GENERATOR 111/CABOT OIL & GAS CORP TONS: 20.97 TNS

GRID: DC1/N 3049.96 E 11444.40 ELE 648.69

COMMENT:

MANIFEST: 192374

ORIGIN MATERIALS & SERVICES PCT QUANTITY RATE AMOUNT

58/SUSQUEHANNA 801/DRILLING RESIDUALS 100 20.97 @ \$29.50 per Ton \$618.62

TOTAL FEES: \$220.18
TOTAL AMOUNT: \$838.80

FEES COMPRISED OF THE FOLLOWING:

 DISPOSAL/SERVICES:
 \$618.62

 HOST COMMUNITY FEE; @ \$1.25 PER TON
 \$26.21

 PA RECYCLING FEE: @ \$2.00 PER TON
 \$41.94

 ENVIRONMENTAL STEWARDSHIP FEE; @ \$4.25 PER TON
 \$89.12

 HOST COUNTY FEE: @ \$3.00 PER TON
 \$62.91

IN OPERATOR: JESSICA - 70953

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CABOT-EPA 007513

Wayne To	/ayne Township Landfill PADEP Permit#100955 Residual Waste Manifest No							1923	74	
Generato	r Name	Cabot Oi	l & Gas Cor _l	oration						•
Generator	Location		2H4H WELL	LAT414422.0	3N - LONG7	55400.7	4W - DIMO	CK TWP - SU	SQUEHANNA	\ CTY
Contact N	ame	Chris Lov	vman		Cell# 4	12-580-	8659	Office	† 412-249-3	927
Profile	CAB2	(3-letter	code)		Carrier		(3-letter	code)	Truck#	797
Customer/	Charge To	809	(3-digit n	umber)	Origin	58	(2-digit n	umber)		
WASTE			D	ESCRIPTION	OF WASTE				PERCE	NTAGE
801	drilling residuals from natural gas well drilling - WTL EC#280344 - 5/12/2010									100%
	, i									
TOTAL PERCENTAGE										100%
Generator Cert	Generator Certification: I hereby certify that the above named material(s) is not hazardous waste as defined by CFR Part 261 or any applicable state									
law, has been	properly describ	ed and packag	ed and is in prop	er condition for tr	ansportation acc	ording to a	pplicable regula	tions AND if the	waste is a	
treatment resi	due of a previou	sly restricted	azardous waste:	subject to the Lan	dfill Disposal Res	stri cticN , 1 c	ertify and warra	ant that the wast	e has	
been treated is	n accordance wi	n the requirer	PEQUS OF 40 CFR 2	68 and is no longe	er hazardous as o	defined by 4	10 CFR Part 261.		ر. در - مسور	4
1704	- XOCH	T ACH	We C	<u> </u>	<u> 5.75</u>	-11_			25-10	<i>)</i>
GENERAT	OR STGNAT	URE/OF C	ERTIFICATIO	MY TITLE	- 1		• :	DATE		
	- 17	<u> </u>	/	JE15	<u> </u>			<u> </u>	24-10	
TRANSPO	RTER - DRI	VER SIGNA	ATURE '	WH#∕& N	10/ÝR EXPI	RATION	l	DATE	, -	
Bota	Kha	/				$ \leq $				
LANDFILL	WASTE IN	SPECTOR S	HGNATURE	70	953A	CEPTEI	25-10	REJECTED	11:3	37
WEIGHMA	ASTER SIGN	IATURE		LICENSE	t	DATE		TIME (AM	I√PM)	



LOBOX 209, MCELHATTAN, PA 17748 PHONE: 570-769-6977 FAX: 570-769-7366 HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00 TICKET: 400225 DATE: 5/25/2010

TIME: 11:12:31 - 11:51:49

TRUCK: FCI 900

CUSTOMER: 809/CABOT OIL & GAS CORPORATION

FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

GROSS: 67300 LBS Scale

TARE: 37540 LBS Scale

PROFILE: CAB2 2H4H WELL - CABOT OIL & GAS

GENERATOR 111/CABOT OIL & GAS CORP

NET: 29760 LBS TONS: 14.88 TNS

GRID: DC1/N 3049.96 E 11444.40 ELE 648.69

MANIFEST: S239870

COMMENT:

ORIGIN MATERIALS & SERVICES PCT QUANTITY RATE AMOUNT

58/SUSQUEHANNA 801/DRILLING RESIDUALS 100 14.88 @ \$29.50 per Ton \$438.96

TOTAL FEES: \$156.24

TOTAL AMOUNT: \$595.20

YEES COMPRISED OF THE FOLLOWING:

 DISPOSAL/SERVICES:
 \$438.96

 HOST COMMUNITY FEE: @ \$1.25 PER TON
 \$18.60

 PA RECYCLING FEE: @ \$2.00 PER TON
 \$29.76

 ENVIRONMENTAL STEWARDSHIP FEE: @ \$4.25 PER TON
 \$63.24

 HOST COUNTY FEE: @ \$3.00 PER TON
 \$44.64

IN OPERATOR: JESSICA - 70953

DRIVER: Tul May 2010 05/25/10 11:51:48 OUT OPERATOR: JESSICA - 70953

www.waynetwplandfill.com E-MAIL: ccswa@waynetwplandfill.com

CABOT-EPA 007515

Wayne To	wnship La	ndfill	PADEP Permit#1009	955 F	lesidua	Waste Manifest N	o \$239.870		
Generato	r Name	Cabot Oi	l & Gas Corporation						
Generator	Location		2H4H WELL-LAT414422	2.03N - LONG7	55400.7	74W - DIMOCK TWP -	SUSQUEHANNA CTY		
Contact N	lame	Chris Lov	vman	Cell# 4	12-580	-8659 Off i	ice# 412-249-3927		
Profile	CAB2	_{3-letter	code)	Carrier _		(3-letter code)	Truck# 900		
Customer/	Charge To	809	(3-digit number)	Origin	58	(2-digit number)			
WASTE	Ĺ	DESCRIPTION OF WASTE							
801	drilling res	100%							
 	TOTAL PERCENTAGE								
Generator Cer	tification: I here	by certify that	the above named material(s) is	not hazardous was	e as define	ed by CFR Part 261 or any app	plicable state		
law, has been	properly describ	ed and packag	ed and is in proper condition for	r transportation acc	ording to a	applicable regulations AND If	the waste is a		
treatment resi	idue of a previou	sly restricted l	nazardous waste subject to the i	andfill Disposal Re	strictioN, I	certify and warrant that the	waste has		
been treated i	n accordance wi	th the requirer	nents of 40 CFR 268 and is no lo	nger hazardous as i	defined by		15 14		
The same	ر المحمد						25-10		
IGENERAT	OR SIGNAL	URE OF E	ERTIFICATION STITLE	6	/	DATE	25-10		
TRANSSO	<u> </u>	VED CICAL	- Nels	<u> つかかり</u> MO/YR EXPI	DATION		29-10		
TRANSPO	RTER - DRI	VER SIGNA	ATURE WHILE	NIO/YK EXPI	KATION X	N DATE			
LANDFILL	WASTE IN:	SPECTORS	SIGNATURE (253 A	CCEPTE	25-10 REJECT	ED 11:52		
WEIGHM.	ASTER SIGN	IATURE	LICENS	E#	DAT	E TIMÉ (AM PM)		



t ∪ BOX 209, MCELHATTAN, PA 17748 PHONE: 570-769-6977 FAX: 570-769-7366 HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00

TICKET: 400316 DATE: 5/25/2010

TIME: 14:38:01 - 15:30:05

TRUCK: FCI 796

COMMENT:

CUSTOMER: 809/CABOT OIL & GAS CORPORATION

FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

82560 LBS Scale GROSS:

37900 LBS Scale TARE:

PROFILE: CAB2 2H4H WELL - CABOT OIL & GAS

44660 LBS NET:

GENERATOR 111/CABOT OIL & GAS CORP

TONS: 22.33 TNS

GRID: 2987/N 3116.05 E 11087.69 ELE 653.78

MANIFEST: S190059

ORIGIN	MATERIALS & SERVICES	PCT QUA	NTITY RATE	AMOUNT
58/SUSQUEHANNA	801C/DRILLING RESIDUALS - C	100	22.33 @ \$35.50 per Ton	\$792.72
			TOTAL FEES:	\$100.48
			TOTAL AMOUNT:	\$893.20

LEES COMPRISED OF THE FOLLOWING:

DISPOSAL/SERVICES:	\$792.72
HOST COMMUNITY FEE: @ \$1.25 PER TON	\$27.91
ENVIRONMENTAL STEWARDSHIP FEE: @ \$0.25 PER TON	\$5.58
HOST COUNTY FEE: @ \$3.00 PER TON	\$66.99

IN OPERATOR: JESSICA - 70953

OUT OPERATOR: JESSICA - 70953

www.waynetwplandfill.com E-MAIL: ccswa@waynetwplandfill.com

CABOT-EPA 007517

DIM0228750 DIM0227454

Wayne To	ownship La	ndfill	PADEP Perm	it#100955	Residual	Waste Mai	nifest No 5	319005	7
Generato	r Name	Cabot Oil	& Gas Corpora	ation			-		
Generator	Location		2H4H WELL-LAT	Г414422.03N - LC	NG755400.7	4W - DIMOC	K TWP - SUS	QUEHANNA	CTY
Contact N	lame	Chris Lov	/man	Ce	II# 412-580	-8659	Office#	412-249-3	927
Profile	CAB2	_(3-letter	code)	Carri	er	(3-letter o	ode)	Truck#	796
Customer	Charge To	809	(3-digit num	ber) Orig	in 58	(2-digit n	umber)		
WASTE/			DESC	RIPTION OF W	ASTE			PERCE	NTAGE
801	drilling resi	duals from	natural gas we	Il drilling - WTL E	C#280344 - !	5/12/2010			100%
		0 (1	J-01	COVE	Λ				
	TOTAL PER	CENTAGE							100%
Generator Cer	tification: I here	y certifý that t	he above named mat	terial(s) is not hazardou	s waste as define	d by CFR Part 261	L or any applicable	e state	
law, has been	properly describ	ed and package	ed and is in proper co	ndition for transportat	on according to a	ipplicable regulat	ions AND if the w	aste is a	
treatment res	idue of a previou	sly restricted h	azardous waste subje	ect to the Landfill Dispo	sal RestrictioN, I	certify and warra	nt that the waste	has	
been treated i	in accordance will	h the requiren	ents of 40 CFR 258 at	nd is no longer hazardo	us as defined by	40 CFR Part 261.			
	7-	1					525	-2010	, ·
GENERATOR SIGNATURE OF CERTIFICATION / TITLE WHO 754 DATE 5/25/2010									
TRANSPO	TRANSPORTER - DRIVER SIGNATURE WH# & MO/YR EXPIRATION DATE								
& or Kill for									
LANDFILL	WASTE IN	PECTÓR S	IGNATURE (10953	AGCEPTE	5-10	REJECTED *	3:3	
WEIGHM	ASTER SIGN	ATURE		LICENSE#	DATE		TIME (AM	/ PM)	
	9								



FO BOX 209, MCELHATTAN, PA 17748 PHONE: 570-769-6977 FAX: 570-769-7366 HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00 TICKET: 400358 DATE: 5/26/2010

TIME: 07:28:21 - 08:02:35

TRUCK: FCI 900

CUSTOMER: 809/CABOT OIL & GAS CORPORATION

FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

GROSS: 64760 LBS Scale

TARE: 37140 LBS Scale

PROFILE: CAB2 2H4H WELL - CABOT OIL & GAS NET: 27620 LBS GENERATOR 111/CABOT OIL & GAS CORP TONS: 13.81 TNS

ERATOR TIT/CABOT OIL & GAS CORP

10110, 10101 1110

GRID: DC2/N 2945.84 E 11264.02 ELE 656.69

COMMENT: MANIFEST: S239871

ORIGIN	MATERIALS & SERVICES	PCT QU	PCT QUANTITY RATE			
58/SUSQUEHANNA	801/DRILLING RESIDUALS	100	13.81 @ \$29.50 per Ton	\$407.40		
			TOTAL FEES:	\$145.00		
			TOTAL AMOUNT:	\$552.40		

FEES COMPRISED OF THE FOLLOWING:

DISPOSAL/SERVICES:	\$407.40
HOST COMMUNITY FEE: @ \$1.25 PER TON	\$17.26
PA RECYCLING FEE: @ \$2.00 PER TON	\$27.62
ENVIRONMENTAL STEWARDSHIP FEE: @ \$4.25 PER TON	\$58,69
HOST COUNTY FEE: @ \$3.00 PER TON	\$41.43

IN OPERATOR: JESSICA - 70953

DRIVER: Wood May 2010 06/26/10 08/02/24 OUT OPERATOR: JESSICA - 70953

www.waynetwplandfill.com E-MAIL: ccswa@waynetwplandfill.com

CABOT-EPA 007519

Wayne Township Landfill		PADEP Per	PADEP Permit#100955 Residual Was		Wast	e Manifest No	5239871			
Generato	r Name	Cabot Oi	l & Gas Corpo	oration						
Generator Location			2H4H WELL-L	AT414422.03	N - LONG	755400.7	74W - D	IMOCK TWP - SU	SQUEHANNA CTY	
Contact N	lame	Chris Lov	vman		Cell# 4	112-580	-8659	Office	# 412-249-3927	
Profile	CAB2	(3-letter	code)		Carrier_		_ (3-le	etter code)	Truck# 900	
Customer/	Charge To	809	(3-digit nu	mber)	Origin	58	(2-d	igit number)		
WASTE			DE	SCRIPTION C	F WAST	E			PERCENTAGE	
801	drilling res	duals from	natural gas v	vell drilling - \	NTL EC#2	B0344 - !	5/12/2	010	100)%
	ļ <u>.</u>									
	TOTAL PE	RCENTAGE	<u> </u>						100)%
Generator Certification: I hereby certify that the above named material(s) is not hazardous waste as defined by CFR Part 261 or any applications.						ble state				
law, has been	properly describ	ed and packag	ed and is in proper	condition for tran	sportation a	cording to a	applicable	regulations AND if the	waste is a	
treatment resi	due of a previou	isly restricted h	nazardous waste su	ıbject to 🌿 🌡 Løndfi	ill Disposal Re	estrictioN, I	certify an	d warrant that the was	te has	
been treated in	n accordance wi	th the requiren	nents of 40 CFR 26	Sand s no longer l	hazardous as	defined by	40 CFR Pa		04-51	
				tura				506-	2010	
GENERAT	OR SIGNAT	URE OF C	ERTIFICATIO	N / TITLE	_	176	1/			
Tim-	Conl	<u>'</u> ع <u>ب</u>	·	<u> </u>	/(21		_5-25-	/ბ	
TRANSPO	RTER - DRI	VER SIGNA	ATURE	WH# & MC)/YR EXP	IRATION	J	DATE		
1	klasi	<u>/</u>				_×				
LANDFILL	WASTE IN	PÉCTOR S	SIGNATURE	000	2 A	CĆEPŢĒÌ	d _a ,	REJECTED	41/1	
		11101		109)		<u>llo</u>	- U C	$\sqrt{)}$	
WEIGHM.	ASTER SIGN	IATURÉ_		LICENSE#		DATE	<u> </u>	TIME\(AI\	1 <u>/</u> /PM)	
	Generator Generator Contact N Profile Customer/ WASTE 801 Generator Cer law, has been treatment resi been treated i GENERAT TRANSPO	Generator Name Generator Location Contact Name Profile CAB2 Customer/Charge To WASTE 801 drilling res TOTAL PEI Generator Certification: I here law, has been properly describ treatment residue of a previou been treated in accordance wi	Generator Name Cabot Oi Generator Location Contact Name Chris Lov Profile CAB2 (3-letter Customer/Charge To 809 WASTE 801 drilling residuals from TOTAL PERCENTAGE Generator Certification: I hereby certify that law, has been properly described and packag treatment residue of a previously restricted the been treated in accordance with the requirer GENERATOR SIGNATURE OF CAMERATOR SIGNATURE	Generator Name Cabot Oil & Gas Corp. Generator Location 2H4H WELL-L Contact Name Chris Lowman Profile CAB2 (3-letter code) Customer/Charge To 809 (3-digit nu WASTE DE 801 drilling residuals from natural gas v TOTAL PERCENTAGE Generator Certification: I hereby certify that the above named of law, has been properly described and packaged and is in proper treatment residue of a previously restricted hazardous wraste subbeen treated in accordance with the requirements of 40 CMC TEANSPORTER - DRIVER SIGNATURE LANDFILL WASTE INSPECTOR SIGNATURE	Generator Name Cabot Oil & Gas Corporation Generator Location 2H4H WELL-LAT414422.03 Contact Name Chris Lowman Profile CAB2 (3-letter code) Customer/Charge To 809 (3-digit number) WASTE DESCRIPTION C 801 drilling residuals from natural gas well drilling - 1 TOTAL PERCENTAGE Generator Certification: I hereby certify that the above named material(s) is not haw, has been properly described and packaged and is in proper condition for trantreatment residue of a previously restricted hazardous waste subject to the land been treated in accordance with the requirements of 40 CM 25 Dand is no longer CENERATOR SIGNATURE OF CERTIFICATION / TITLE TRANSPORTER - DRIVER SIGNATURE WH# & MC LANDFILL WASTE INSPECTOR SIGNATURE	Generator Name Cabot Oil & Gas Corporation Generator Location Contact Name Chris Lowman Cell# A Profile CAB2 (3-letter code) Carrier Customer/Charge To 809 (3-digit number) Origin WASTE DESCRIPTION OF WASTE 801 drilling residuals from natural gas well drilling - WTL EC#2: TOTAL PERCENTAGE Generator Certification: I hereby certify that the above named material(s) is not hazardous was law, has been properly described and packaged and is in proper condition for transportation at treatment residue of a previously restricted hazardous waste subject to the Landfill Disposal Rebeen treated in accordance with the requirements of 40 CFR ZEBAND(S np/longer hazardous as GENERATOR SIGNATURE OF CERTIFICATION / TITLE TRANSPORTER - DRIVER SIGNATURE WH# & MO/YR EXP LANDFILL WASTE INSPECTOR SIGNATURE A A A A A A A A A A A A A A A A A A	Generator Name Generator Location Contact Name Chris Lowman Cell# 412-580 Contact Name Chris Lowman Cell# 412-580 Carrier Customer/Charge To 809 (3-digit number) Origin 58 WASTE DESCRIPTION OF WASTE 801 drilling residuals from natural gas well drilling - WTL EC#280344 - TOTAL PERCENTAGE Generator Certification: I hereby certify that the above named material(s) is not hazardous waste as defined law, has been properly described and packaged and is in proper condition for transportation according to it treatment residue of a previously restricted hazardous waste subject to the leadfill Disposal Restriction, I been treated in accordance with the requirements of 40 CFR GENINGS for longer hazardous as defined by GENERATOR SIGNATURE OF CERTIFICATION / TITLE TRANSPORTER - DRIVER SIGNATURE WH# & MO/YR EXPIRATION LANDFILL WASTE INSPECTOR SIGNATURE ACCEPTE	Generator Name Generator Location 2H4H WELL-LAT414422.03N - LONG755400.74W - D Contact Name Chris Lowman Cell# 412-580-8659 Profile CAB2 (3-letter code) Customer/Charge To 809 (3-digit number) Origin 58 (2-d) WASTE DESCRIPTION OF WASTE 801 drilling residuals from natural gas well drilling - WTL EC#280344 - 5/12/2 TOTAL PERCENTAGE Generator Certification: I hereby certify that the above named material(s) is not hazardous waste as defined by CFR law, has been properly described and packaged and is in proper condition for transportation according to applicable treatment residue of a previously restricted hazardous waste subject to the landfill Disposal Restriction, I certify an been treated in accordance with the requirements of 40 CFR TERANGY IN longer hazardous as defined by 40 CFR Pa SENERATOR SIGNATURE OF CERTIFICATION / TITLE TRANSPORTER - DRIVER SIGNATURE WH# & MO/YR EXPIRATION ACCEPTED LANDFILL WASTE INSPECTOR SIGNATURE ACCEPTED	Generator Name Generator Location 2H4H WELL-LAT414422.03N - LONG755400.74W - DIMOCK TWP - SU Contact Name Chris Lowman Cell# 412-580-8659 Officer Profile CAB2 (3-letter code) Customer/Charge To 809 (3-digit number) Origin 58 (2-digit number) WASTE DESCRIPTION OF WASTE 801 drilling residuals from natural gas well drilling - WTL EC#280344 - 5/12/2010 TOTAL PERCENTAGE Generator Certification: I hereby certify that the above named material(s) is not hazardous waste as defined by CFR Part 261 or any application, has been properly described and packaged and is in proper condition for transportation according to applicable regulations AND if the treatment residue of a previously restricted hazardous waste subject to the landfill Disposal Restriction, I certify and warrant that the wast been treated in accordance with the requirements of 40 CFR 258 and/s np longer hazardous as defined by 40 CFR Part 261. GENERATOR SIGNATURE OF CERTIFICATION / TITLE DATE 5-2.5 TRANSPORTER - DRIVER SIGNATURE WH# & MO/YR EXPIRATION DATE LANDFILL WASTE INSPECTOR SIGNATURE ACCEPTED REJECTE	Generator Name Generator Location 2H4H WELL-LAT414422.03N - LONG755400.74W - DIMOCK TWP - SUSQUEHANNA CTY Contact Name Chris Lowman Cell# 412-580-8659 Office# 412-249-3927 Profile CAB2 (3-letter code) Customer/Charge To 809 (3-digit number) WASTE DESCRIPTION OF WASTE PERCENTAGE 801 drilling residuals from natural gas well drilling - WTL EC#280344 - 5/12/2010 TOTAL PERCENTAGE Generator Certification: I hereby certify that the above named material(s) is not hazardous waste as defined by CFR Part 251 or any applicable state law, has been properly described and packaged and is in proper condition for transportation according to applicable regulations AND if the waste is a treatment residue of a previously restricted hazardous waste subject to the Landfill Disposal Restriction, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR CENTAGE ACCEPTED GENERATOR SIGNATURE OF CERTIFICATION / TITLE DATE SOLUTION TRANSPORTER - DRIVER SIGNATURE WH# & MO/YR EXPIRATION DATE ACCEPTED REJECTED RE



PHONE: 570-769-6977 FAX: 570-769-7366 HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00 TICKET: 400368 DATE: 5/26/2010

TIME: 07:31:17 - 08:25:44

TRUCK: FCI 797

CUSTOMER: 809/CABOT OIL & GAS CORPORATION

FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

GROSS: 60060 LBS Scale TARE: 35220 LBS Scale

PROFILE: CAB2 2H4H WELL - CABOT OIL & GAS NET: 24840 LBS GENERATOR 111/CABOT OIL & GAS CORP TONS: 12.42 TNS

GRID: DC2/N 2945.84 E 11264.02 ELE 656.69

GRID: DC2/N 2945.84 E 11204.02 ELE 050.09 COMMENT:

MANIFEST: 192375

ORIGIN	MATERIALS & SERVICES	PCT QUA	AMOUNT	
58/SUSQUEHANNA	801/DRILLING RESIDUALS	100	12.42 @ \$29.50 per Ton	\$366,39
			TOTAL FEES:	\$130.42
	·		TOTAL AMOUNT:	\$496.81

EES COMPRISED OF THE FOLLOWING:

DISPOSAL/SERVICES:	\$366.39
HOST COMMUNITY FEE: @ \$1.25 PER TON	\$15.53
PA RECYCLING FEE: @ \$2,00 PER TON	\$24.84
ENVIRONMENTAL STEWARDSHIP FEE; @ \$4.25 PER TON	\$52.79
HOST COUNTY FEE: @ \$3.00 PER TON	\$37.26

IN	OPERATOR:	JESSICA	- 70953
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www.waynetwplandfill.com E-MAIL: ccswa@waynetwplandfill.com

	Wayne Township Landfill			PADEP Perm	it#100955	Re	sidual	Waste Ma	nifest No	192375
	Generato	r Name	Cabot Oi	& Gas Corpor	ation					
	Generator	Location		2H4H WELL-LA	T4144 22. 03N	- LONG75	5400.74	4W - DIMO	CK TWP - SU	SQUEHANNA CTY
	Contact N	lame	Chris Lov	vman		Cell# 41	.2-580-	8659	Office	412-249-3927
	Profile *	CAB2	_(3-letter	code)	(Carrier	_	_(3-letter	code)	Truck# 797
	Customer/	Charge To	809	(3-digit num	ber)	Origin	58	(2-digit n	umber)	
	WASTE			DES	CRIPTION O	WASTE				PERCENTAGE
ľ	801	drilling res	iduals from	natural gas we	ell drilling - W	TL EC#280	344 - 5	/12/2010		100%
		TOTAL PE	RCENTAGE							100%
	Generator Cer	tification: I here	by certify that	the above named ma	terial(s) is not haz	ardous waste	as defined	l by CFR Part 28	1 or any applical	ole state
	law, has been	properly describ	ed and packag	ed and is in proper co	ondition for transp	ortation acco	rding to ap	oplicable regula	tions AND if the	waste is a
	treatment resi	idue of a previou	ısiy restricted i	azardous waste subj	eo(to)the Landfill	Disposal Rest	rictioN, I co	ertify and warr	ant that the wast	e has
	been treated i	n accordance wi	th the requirer	nepts of 40 CuR 268/a	and is no longer ha	zardous as de	fined by 4	O CFR Part 261.		6. 2
Ø.				and	بہر				5	0-2010
	GENERAT	OR SIGNAT	ORE OF C	ERITIFICATION	TITLE	راسعة	5-1))	DATE	5-10
-	T C	+ KO	CEIT 2	CHULD.						3 10
	TRANSPO	RTER - DE	yer sign/	ATURE	WH# & MO,	YR EXPIR <i>I</i> X	ATION	• •	DATE	
		<u> </u>		14117					DELECTED	
	LANDFILL	WASTE IN:	SPECIOR'S	HENATURE	700	SAL	CEPTED	-710-	REJECTED	Q. 35
	WEIGHM	ASTER SIGN	NATURE		LICENSE#		DATE	<u>, Ly</u>	TIME (AN	1/PM)
			\cup							,



DATE: 5/26/2010

TICKET: 400391

HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00

TIME: 08:15:48 - 09:10:07

TRUCK: FCI 796

CUSTOMER: 809/CABOT OIL & GAS CORPORATION

FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

GROSS: 65800 LBS Scale

TARE: 36900 LBS Scale

PROFILE: CAB2 2H4H WELL - CABOT OIL & GAS GENERATOR 111/CABOT OIL & GAS CORP

NET: 28900 LBS TONS: 14,45 TNS

GRID: DC2/N 2945.84 E 11264.02 ELE 656.69

COMMENT:

DIM0227454

MANIFEST: S190060

ORIGIN	MATERIALS & SERVICES	`	JANTITY RATE	AMOUNT
58/SUSQUEHANNA	801/DRILLING RESIDUALS	100	14.45 @ \$29.50 per Ton	\$426.28
			TOTAL FEES:	\$151.72
			TOTAL AMOUNT:	\$578.00

LES COMPRISED OF THE FOLLOWING:

DISPOSAL/SERVICES:	\$426.28
HOST COMMUNITY FEE: @ \$1.25 PER TON	\$18.06
PA RECYCLING FEE: @ \$2.00 PER TON	\$28.90
ENVIRONMENTAL STEWARDSHIP FEE: @ \$4.25 PER TON	\$61.41
HOST COUNTY FEE: @ \$3.00 PER TON	\$43.35

IN OPERATOR: JESSICA - 70953

OUT OPERATOR: JESSICA - 70953 DRIVER: Wed May 2010 05/28/10 08 10:07

www.waynetwplandfill.com E-MAIL: ccswa@waynetwplandfill.com

	<u>-</u>								
Wayne To	wnship La	ndfill	PADEP Per	mit#100955	Re	sidual	Waste Mai	nifest No	5190060
Generator	r Name	Cabot Oi	& Gas Corp	oration					
Generator	Location		2H4H WELL-L	AT414422.03N	I - LO NG 7 5	5400.74	4W - DIMOC	K TWP - S	SUSQUEHANNA CTY
Contact N	ame	Chris Lov	vman		Cell# 41	.2-580-	8659	Offic	ce# 412-249 -3 927
Profile	CAB2	(3-letter	code)	(Carrier_		(3-letter	code)	Truck#
Customer/	Charge To	809	(3-digit nu	mber)	Origin	58	(2-digit n	umber)	
WASTE			DE	SCRIPTION O	F WASTE				PERCENTAGE
801	drilling resi	duals from	natural gas v	well drilling - W	/TL EC#280	344 - 5	/12/2010		100%
	TOTAL PE	RCENTAGE							100%
Generator Cer	ification: I here	y certify that t	the above named	material(s) is not haz	ardous waste	as defined	by CFR Part 26:	1 or any appl	licable state
law, has been	properly describ	ed and packag	ed and is in proper	r condition for transp	portation acco	rding to ap	plicable regulat	ions AND if t	the waste is a
treatment resi	due of a previou	sly restricted h	azardojis waste si	ubject to the Landfill	Disposal Rest	rictioN, I co	ertify and warra	nt that the w	vaste has
been treated in	accordance w	th the requirem	nents of 40 CFR 26	8 and is no longer ha	azardous as de	fined by 4	0 CFR Part 251.	5	-25-2010 -25-2018
GENERAT	OR SIGNAT	URE OF C	ERTIFICATIO	N / TITLE				DATE	
Don	IRCX	Kn_		WN0-0	754	4/	2011	5	-25-201B
TRANSPÓ	RTER,- DRI	VER SIGN	¥URE	WH# & MO/	YR EXPIR	ATION		DATE	
86	shiller	M				\sim			
LANDFILL	WASTE IN	PECTORS	IGNATURE /	7095	2 AC	CEPTEC	-210-10	REJECT	9:10
WEIGHMA	ASTER SIGN	ATURE		LICENSE#		DATE		TIME((A	AM ()PM)
	<u></u>) —							



NOTE: 570-769-6977 FAX: 570-769-7366 HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00

TICKET: 400543 DATE: 5/26/2010

TIME: 15:08:31 - 15:59:13

TRUCK: FCI 797

CUSTOMER: 809/CABOT OIL & GAS CORPORATION

FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

GROSS: 70720 LBS Scale TARE: 36200 LBS Scale

TARE: 36200 LBS SO PROFILE: CAB2/ 2H4H WELL - CABOT OIL & GAS NET: 34520 LBS

GENERATOR 111/CABOT OIL & GAS CORP

TONS: 17.26 TNS

GRID: DC2/N 2945.84 E 11264.02 ELE 656.69

COMMENT:

DIM0227454

MANIFEST: 192376

ORIGIN	MATERIALS & SERVICES	PCT Q	UANTITY RATE	AMOUNT	
58/SUSQUEHANNA	801/DRILLING RESIDUALS	100	17.26 @ \$29.50 pcr Ton	\$509.17	
			TOTAL FEES:	\$181.24	
			TOTAL AMOUNT:	\$690.41	

FEES COMPRISED OF THE FOLLOWING:

DISPOSAL/SERVICES:	\$509.17
HOST COMMUNITY FEE: @ \$1.25 PER TON	\$21.58
PA RECYCLING FEE: @ \$2.00 PER TON	\$34.52
ENVIRONMENTAL STEWARDSHIP FEE: @ \$4.25 PER TON	\$73.36
HOST COUNTY FEE: @ \$3.00 PER TON	\$51.78

IN	OPERATOR:	JESSICA -	70953

DRIVER: Was May 2010 06/28/10 16:08:12 OUT OPERATOR: JESSICA - 70953

 $www.waynetwpland fill.com \\ \hbox{ E-MAIL: } ccswa@waynetwpland fill.com$

Wayne To	wnship La	ndfill	PADEP Permit#	100955	Residua	l Waste Manifest No	192376
Generator	r Name	Cabot Oi	l & Gas Corporati	on			
Generator	Location		2H4H WELL-LAT41	14422.03N - LON	G755400.	74W - DIMOCK TWP - SU	ISQUEHANNA CTY
Contact N	lame	Chris Lov	vman	Cell#	412-580)-8659 Office	# 412-249-3927
Profile	CAB2	(3-letter	code)	Carrier		(3-letter code)	Truck# 79 7
Customer/	Charge To	809	(3-digit numbe	r) Origin	58	(2-digit number)	
WASTE			DESCR	PTION OF WAS	TE		PERCENTAGE
801	drilling res	iduals from	natural gas well o	rilling - WTL EC#	280344 -	5/12/2010	100%
	TOTAL PE	RCENTAGI					100%
Generator Cer	tification: I here	by certify that	the above named materi	al(s) is not hazardous w	aste as defin	ed by CFR Part 261 or any applica	ble state
law, has been	properly describ	ed and packag	ed and is in proper condi	tion for transportation	according to	applicable regulations AND if the	waste is a
treatment resi	due of a previou	sly restricted l	nazardous waste subject	o he Landfill Disposal	RestrictioN, I	certify and warrant that the was	te has
been treated in	n accordance wi	th the requirer	nents of 40 CER 268 and	no longer hazardous	as defined by	40 CFR Part 261.	_
			plan			5-26	20/0
GENERAT	OR SIGNAT	URE OF E	ERTIFICATION / T		1	5-26-3 DATE 5-26	
1-00	- tole	4.15. 18 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		754 <u>5</u>	21	5-X6	2-10
TRANSPO	RTER - DRI	VER SIGNA	ATURE WI	₁# & MO/YR Éx	PIRATIO	N DATE	
× 4	THU.		<		_>		
LANDFILL	WASTE IN	SPECTOR S	SIGNATURE (71452	ACCEPTE	REJECTED	3:54
TATELCUINA	ACTED CIC	V.V.U		TO GO		TINE (AR	4 (204)
WEIGHM	ASTER SIG	YATURE	LIC	CENSE#	DAT	E TIME (AN	<i>Л (</i> РМ) /



1 J BOX 209, MCELHATTAN, PA 17748 PHONE: 570-769-6977 FAX: 570-769-7366 HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00

TICKET: 400545 DATE: 5/26/2010

TIME: 15:11:40 - 16:02:52

TRUCK: FCI 900

CUSTOMER: 809/CABOT OIL & GAS CORPORATION

FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

GROSS: 69920 LBS Scale

TARE: 35720 LBS Scale NET:

PROFILE: CAB2.

2H4H WELL - CABOT OIL & GAS

34200 LBS

GENERATOR 111/CABOT OIL & GAS CORP

17.10 TNS TONS:

GRID: DC2/N 2945.84 E 11264.02 ELE 656.69

MANIFEST: S239872

COMMENT:

58/SUSQUEHANNA

ORIGIN

MATERIALS & SERVICES PCT QUANTITY RATE AMOUNT 801/DRILLING RESIDUALS 100 17.10 @ \$29.50 per Ton \$504.45 TOTAL FEES: \$179.56

TOTAL AMOUNT: \$684.01

FEES COMPRISED OF THE FOLLOWING:

DISPOSAL/SERVICES: \$504,45 HOST COMMUNITY FEE: @ \$1.25 PER TON \$21.38 PA RECYCLING FEE: @ \$2.00 PER TON \$34.20 ENVIRONMENTAL STEWARDSHIP FEE: @ \$4.25 PER TON \$72.68 HOST COUNTY FEE: @ \$3.00 PER TON \$51.30

IN OPERATOR: JESSICA - 70953

OUT OPERATOR: JESSICA - 70953

www.waynetwplandfill.com E-MAIL: ccswa@waynetwplandfill.com

CABOT-EPA 007527

Wayne To	wnship La	ndfill	PADEP Permit#1	00955	Residua	al Waste M	anifest No	S 239872
Generato	Generator Name Cabot Oil & Gas Corporation							
Generator	Location		2H4H WELL-LAT414	422.03N - LON	G755400.	74W - DIMO	OCK TWP - SU	SQUEHANNA CTY
Contact N	ame	Chris Lov	/man	Cell	# 412-58 (0-8659	Office#	412-249-3927
Profile	CAB2	(3-letter	code)	Carrie	r	(3-lette	r code)	Truck# 900
Customer/	Charge To	809	(3-digit number)	Origiı	n 58	(2-digit	number)	
WASTE			DESCRIP	TION OF WAS	TE			PERCENTAGE
801	drilling res	duals from	natural gas well dr	lling - WTL EC	1280344 -	5/12/2010		100%
Ĺ	TOTAL PE	RCENTAGE						100%
Generator Cer	tification: 1 here	by certify that I	he above named material(s) is not hazardous	waste as defir	sed by CFR Part	261 or any applicat	ole state
law, has been	properly describ	ed and packag	ed and is in proper condition	n for transportation	according to	applicable regu	lations AND if the	waste is a
treatment resi	due of a previou	sly restricted b	avardous waste subject to	the Landfill Disposa	l RestrictioN,	I certify and war	rrant that the wast	e has
been treated in	accordance wi	th the requirer	nents of 40 CFR 258 and is	no longer hazardous	as defined b	y 40 CFR Part 26	5-26 DATE 5-26	2010
GENERAT	OR SIGNAT	URE OF C	ERTIFICATION / TI	TLE .			DATE	
FC2		- En	als c	754 '	<u> </u>	/	<u> </u>	3~ 10
TRANSPO	RTER DRI	VER SIGN	TURE WH	# & MO/YR E	KPIRATIO	N	DATE	
ie	Set Wales							
LANDFILL	WASTE IN	SPECTOR S	GIGNATURE	093	ACCEPT	210-1	REJECTED	4:00
WEIGHM	ASTER SIGI	NATURE	LICI	NSE#	DAT	E	TIME (AV	(PMI)



- J BOX 209, MCELHATTAN, PA 17748 PHONE: 570-769-6977 FAX: 570-769-7366 HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00

TICKET: 400557 DATE: 5/26/2010

TIME: 15:56:16 - 16:31:14

TRUCK: FCI 796

CUSTOMER: 809/CABOT OIL & GAS CORPORATION

FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

GROSS: 76700 LBS Scale

TARE: 36440 LBS Scale NET: 40260 LBS

20.13 TNS

2H4H WELL - CABOT OIL & GAS PROFILE: CAB2 GENERATOR 111/CABOT OIL & GAS CORP

GRID: DC2/N 2945.84 E 11264.02 ELE 656.69

TONS: MANIFEST: \$190061

COMMENT:

ORIGIN **MATERIALS & SERVICES** PCT QUANTITY RATE AMOUNT 58/SUSQUEHANNA 801/DRILLING RESIDUALS 100 20.13 @ \$29.50 per Ton \$593.84 TOTAL FEES: \$211,36 TOTAL AMOUNT: \$805.20

FEES COMPRISED OF THE FOLLOWING:

DISPOSAL/SERVICES: \$593.84 HOST COMMUNITY FEE: @ \$1.25 PER TON \$25.16 PA RECYCLING FEE: @ \$2.00 PER TON \$40.26 ENVIRONMENTAL STEWARDSHIP FEE: @ \$4.25 PER TON \$85.55 HOST COUNTY FEE: @ \$3.00 PER TON \$60.39

IN OPERATOR: JESSICA - 70953

DRIVER: Wed May 2010 05/20/10 18:51:13 **OUT OPERATOR: JESSICA - 70953**

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Wayne To	wnship La	ndfill	PADEP Permit#3	100955	Residua	l Waste Manifest I	No 5190	0061	
Generato	r Name	Cabot Oi	l & Gas Corporatio	n					
Generator	Generator Location 2H4H WELL-LAT414422.03N - LONG755400.74W - DIMOCK TWP - SUSQUEN								
Contact N	ame	Chris Lov	vman	Celli	412-580)-8659 O f	fice# 412-249	9-3927	
Profile	CAB2	(3-letter	code)	Carrie		(3-letter code)	Truc	k#	
Customer/	Charge To	809	(3-digit number) Origin	58	(2-digit number)		
WASTE			DESCRI	TION OF WAS	TE		PER	CENTAGE	
801	drilling res	iduals from	natural gas well di	illing - WTL EC	280344 -	5/12/2010		100%	
	TOTAL PE	RCENTÁGI						100%	
Generator Cer	tification: I here	by certify that	the above named material	(s) is not hazardous v	aste as defin	ed by CFR Part 261 or any a	pplicable state		
law, has been	properly describ	ed and packag	ed and is in proper conditi	on for transportation	according to	applicable regulations AND	if the waste is a	l	
ł		•		,		I certify and warrant that th	e waste has		
been treated in	n accordance wi	th the requires	nents of 40 CFR 258 and is	no longer hazardous	as defined by				
 _		=	- Men				26.00	0	
GENERAT	OR SIGNAT	WRE OF C	ERTIFICATION / TI	TLE		DATE	26-2010		
Day	RECIDE	<u></u>	<u> </u>						
TRANSPO	RTER - DRI	VER SIGNA	ATURE WH	# & MO/YR E	PIRATIO	N DAT	E		
207	KN/s	lan					\-\-\	\	
LANDFILL	WASTE IN:	SPECTOR S	SIGNATURE (P153	ACCEPTE	ED O REJEC	TED),	
WEIGHM	ASTER SIGN	IATURE	Lic	ENSE#	DAT	E TIME	(AM /PM))	



HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00

TICKET: 400648 DATE: 5/27/2010

TIME: 10:27:25 - 10:54:59

TONS:

TRUCK: ETGI 273

CUSTOMER: 809/CABOT OIL & GAS CORPORATION

FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

GROSS: 66320 LBS Scale

TARE: 37580 LBS Scale NET: 28740 LBS

14.37 TNS

PROFILE: CAB2 2H4H WELL - CABOT OIL & GAS GENERATOR 111/CABOT OIL & GAS CORP

GRID: 2989/N3116.05, E11087.69, ELE659.78

COMMENT:

TE AMOUNT

ORIGIN	MATERIALS & SERVICES	PCT QUAI	NTITY RATE	AMOUNT
58/SUSQUEHANNA	801C/DRILLING RESIDUALS - C	100	14.37 @ \$35.50 per Ton	\$510.14
•			TOTAL FEES:	\$64.66
			TOTAL AMOUNT:	\$574.80

FEES COMPRISED OF THE FOLLOWING:

DISPOSAL/SERVICES:	\$510.14
HOST COMMUNITY FEE: @ \$1.25 PER TON	\$17.96
ENVIRONMENTAL STEWARDSHIP FEE: @ \$0.25 PER TON	\$3.59
HOST COUNTY FEE; @ \$3,00 PER TON	\$43.11

IN OPERATOR: JESSICA - 70953

DRIVER: TRU MBY 2010 05/27/10 10:54:68 OUT OPERATOR: JESSICA - 70953

www.waynetwplandfill.com E-MAIL: ccswa@waynetwplandfill.com

CABOT-EPA 007531

Wayne To	ownship La	ndfill	PADEP Per	mit#100955	Resid	ual Waste	Manifest No		
Generato	r Name	Cabot Oil	& Gas Corp	oration					
Generator	Location		2H4H WELL-L	AT414422.03N ·	LONG75540	10.74W - D	IMOCK TWP - SUS	QUEHANNA CT	Y
Contact N	Name	Chris Low	/man		Cell# 412-5	80-8659	Office#	412-249-3927	
Profile	CAB2	(3-letter	code)	Ca	arrier	(3-le	tter code)	Truck#_2	73
Customer	/Charge To	809	(3-digit nu	mber) C	Origin 58	3 (2-di	git number)		
WASTE \			DE	SCRIPTION OF	WASTE			PERCENTA	\GE
801	drilling res	iduals from	natural gas v	well drilling - W1	L EC#280344	I - 5/12/2	010		100%
								1	
	TOTAL PE	RCENTAGE							100%
Generator Cer	rtification: I here	by certify that t	he above named i	material(s) is not haza	rdous waste as de	efined by CFR	Part 261 or any applicab	le state	
law, has been	properly describ	ed and package	ed and is in prope	condition for transpo	rtation according	to applicable	regulations AND if the v	vaste is a	
treatment res	idue of a previou	sly restricted h	azardous waste s	oject to the Landfill D	isposal Restrictio	N, I certify and	d warrant that the waste	has	
been treated	in accordance w	th the requiren	1 POLES OF AN CFF 26	Band is no longer haz	ardous as defined	1 by 40 CFR Pa	rt 261.		
GENERAT	FOR SIGNAT	TURE OF C	RTIFICATIO	N/TITLE WHIUS	2/20) i	DATE 5/27/	To	
TRANSPO	ORTER - DRI	VER SIGNA	ATURÉ	WH# & MO/	R EXPIRATI ン	ION	DÁTE		
LANDFILL	WASTE IN	SPECTOR S	IGNATURE	7095	ACCEP	3-2	- REJECTED	10:55	-
WEIGHM	ASTER SIGI	VATURE		LICENSE#	D/	ATE	TIME (AM	/PM)	
	\sim								



HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00

TICKET: 400650 DATE: 5/27/2010

TIME: 10:18:48 - 10:58:30

TRUCK: FCI 797

CUSTOMER: 809/CABOT OIL & GAS CORPORATION

FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

GROSS: 73920 LBS Scale

TARE: 37360 LBS Scale NET: 36560 LBS

PROFILE: CAB2/ 2H4H WELL - CABOT OIL & GAS

GENERATOR 111/CABOT OIL & GAS CORP

TONS: 18.28 TNS

GRID: 2989/N3116.05, E11087.69, ELE659.78

COMMENT:

MANIFEST: 192377

ORIGIN MATERIALS & SERVICES PCT QUANTITY RATE AMOUNT

58/SUSQUEHANNA 801C/DRILLING RESIDUALS - C 100 18.28 @ \$35.50 per Ton \$648.94

TOTAL FEES: \$82.26
TOTAL AMOUNT: \$731.20

FEES COMPRISED OF THE FOLLOWING:

DISPOSAL/SERVICES: \$648.94
HOST COMMUNITY FEE; @ \$1.25 PER TON \$22.85
ENVIRONMENTAL STEWARDSHIP FEE: @ \$0.25 PER TON \$4.57
HOST COUNTY FEE: @ \$3.00 PER TON \$54.84

IN OPERATOR: JESSICA - 70953

DRIVER: Thu Mey 2010 05/27/10 10:58 28 OUT OPERATOR: JESSICA - 70953

www.waynetwplandfill.com E-MAIL: ccswa@waynetwplandfill.com

CABOT-EPA 007533

Wayne Tow	nshin Lan	dfill	PADEP Permit#1	00955	Residua	al Waste Manifest No	122377
Generator I	•		& Gas Corporation				<u> </u>
Generator Lo			•		NG755400	.74W - DIMOCK TWP -	SUSCILIENAMMA CTV
							•
Contact Na		Chris Low		Cen	i# 412-58i		ce# 412-249-3927
Profile _	CAB2	(3-letter	code)	Carrie	er	(3-letter code)	Truck# 797
Customer/Ci	narge To	809	(3-digit number	Origi	n 58	(2-digit number)	
WASTE			DESCRI	AW 40 NOLT	STE		PERCENTAGE
801 d	rilling resi	duals from	natural gas well d	illing - WTL EC	#280344 -	5/12/2010	100%
T	OTAL PER	CENTAGE					100%
Generator Certifi	cation: I hereb	y certify that t	he above named material	(s) is not hazardous	waste as defin	ned by CFR Part 261 or any app	licable state
law, has been pro	perly describe	ed and package	ed and is in proper conditi	on for transportation	on according to	applicable regulations AND if	the waste is a
treatment residu	e of a previous	sly restricted h	azardous waste subject to	the Landfill Dispos	al RestrictioN,	I certify and warrant that the v	vaste has
been treated in a	ccordance wit	h the requirem	ents of 40 OFR 268 and is	no longer hazardou	is as defined b	γ 40 CFR Part 261.	
			Com.				26-200
GENERATO	R SIGNAT	URE OF C	RTIFICATION / TI	TLE		DATE	
FCI	Kole	it an		0754 5	111	<i>5-2</i>)	7- <i>10</i>
TRANSPORT	TER - DRIN	ER SIGNA		# & MO/YR É	XPIRATIO		
809	h/h/	in the			×		1.
LANDFILL W	VASTE INS	PECTOR S	IGNATURE	5000	ACCEPT	ED REJECT	ED \ \ . < \
1	4	MO		UUSS		5-61-10 x	\sim 10.70
WEIGHMAS	TER SIGN	ATURE_	LIC	ENSE#	DAT	TE TIME (AM ()PM)



3OX 209, MCELHATTAN, PA 17748 PHONE: 570-769-6977 FAX: 570-769-7366 HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00

DATE: 5/27/2010 TIME: 10:20:40 - 11:12:37

TICKET: 400656

TRUCK: FCI 900

CUSTOMER: 809/CABOT OIL & GAS CORPORATION

FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

GROSS: 79500 LBS Scale TARE: 37040 LBS Scale
NET: 42460 LBS
TONS: 21.23 TNS

PROFILE: CAB2 2H4H WELL - CABOT OIL & GAS GENERATOR 111/CABOT OIL & GAS CORP

GRID: 2989/N3116.05, E11087.69, ELE659.78

COMMENT:

MANIFEST: S239873

ORIGIN	MATERIALS & SERVICES	PCT QUA	NTITY RATE	AMOUNT
58/SUSQUEHANNA	801C/DRILLING RESIDUALS - C	100	21.23 @ \$35.50 per Ton	\$753.67
			TOTAL FEES:	\$95.54
			TOTAL AMOUNT:	\$849.21

EES COMPRISED OF THE FOLLOWING:

DISPOSAL/SERVICES:	\$753.67
HOST COMMUNITY FEE: @ \$1.25 PER TON	\$26.54
ENVIRONMENTAL STEWARDSHIP FEE: @ \$0.25 PER TON	\$5.31
HOST COUNTY FEE: @ \$3.00 PER TON	\$63.69

IN OPERATOR: JESSICA - 70953

OUT OPERATOR: JESSICA - 70953 DRIVER: Thu May 2010 05/27/10 11:12:36

www.waynetwplandfill.com E-MAIL: ccswa@waynetwplandfill.com

CABOT-EPA 007535

Box	#	9924
		11-1

				صيخ		
Wayne To	wnship La	ndfill PADEP Pe	rmit#100955	Residual	Waste Manifest No	\$ 239873
Generator	r Name	Cabot Oil & Gas Corp	oration			
Generator	Location	2H4H WELL-	LAT414422.03N - LO	NG755400.7	4W - DIMOCK TWP - S	USQUEHANNA CTY
Contact N	ame	Chris Lowman	Cel	l# 412-580-	-8659 Offic	e# 412-249-3927
Profile	CAB2	(3-letter code)	Carri	er	(3-letter code)	Truck# 900
Customer/	Charge To	809 (3-digit nu	ımber) Orig	in 58	(2-digit number)	
WASTE?		D	ESCRIPTION OF WA	STE		PERCENTAGE
801	drilling res	iduals from natural gas	well drilling - WTL E	C#280344 - !	5/12/2010	100%
	TOTAL PE	RCENTAGE				100%
Generator Cert	lification: I here	by certify that the above named	material(s) is not hazardous	waste as define	d by CFR Part 261 or any appli	cable state
law, has been (properly describ	ed and packaged and is in prope	er condition for transportation	on according to a	pplicable regulations AND if the	ne waste is a
treatment resi	due of a previou	isly restricted hazardous waste	ubject to the Landfill Dispos	al RestrictioN, I	certify and warrant that the wa	aste has
been treated in	accordance wi	th the equirements of 40 PFR 2	68 and is no longer hazardo.	us as defined by	40 CFR Part 261.	
		- film			5-26.	-200
GENERAT	OR SIGNAT	URE OF CERTIFICATION	N / TITLE		DATE	
FCI		Conl	0754 4	~11	<u>5-27-</u>	-10
TRANSPO	RTER - DRI	VER SIGNATURE	WH# & MO/YR E	XPIRATION	DATE	
2st	KRhh			X		
LANDFILL	WASTE IN	SPECTOR SIGNATURE	00012	ACCEPTE	P REJECTE	D 11.17
		KW)	-10910		1-10	
WEIGHM	ASTER SIGN	ATURE	LICENSE#	DATE	TIME((A	M / PM) -
		<u> </u>				



HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00

TICKET: 400670 DATE: 5/27/2010

TIME: 10:24:30 - 11:43:00

TONS:

TRUCK: ETGI 269

CUSTOMER: 809/CABOT OIL & GAS CORPORATION

FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

GROSS: 67080 LBS Scale

14.42 TNS

TARE: 38240 LBS Scale NET: 28840 LBS

PROFILE: CAB2 2H4H WELL - CABOT OIL & GAS GENERATOR 111/CABOT OIL & GAS CORP

GRID: 2989/N3116.05, E11087.69, ELE659.78

COMMENT:

ORIGIN MATERIALS & SERVICES PCT QUANTITY RATE AMOUNT

58/SUSQUEHANNA 801C/DRILLING RESIDUALS - C 100 14.42 @ \$35.50 per Ton \$511.91

TOTAL FEES: \$64.90
TOTAL AMOUNT: \$576.81

'EES COMPRISED OF THE FOLLOWING:

DISPOSAL/SERVICES: \$511.91
HOST COMMUNITY FEE: @ \$1.25 PER TON \$18.03
ENVIRONMENTAL STEWARDSHIP FEE: @ \$0.25 PER TON \$3.61
HOST COUNTY FEE: @ \$3.00 PER TON \$43.26

IN OPERATOR: JESSICA - 70953

www.waynetwplandfill.com E-MAIL: ccswa@waynetwplandfill.com

CABOT-EPA 007537

Wayne Tov	vnship Lar	ndfill	PADEP Peri	nit#100955	R	esidual V	Naste Man	ifest No	
Generator	Name	Cabot Oil	& Gas Corpo	ration				•	
Generator L	ocation		2H4H WELL-L	AT414422.03	N - LONG7	55400.74	W - DIMOC	K TWP - SUS	QUEHANNA CTY
Contact Na	me	Chris Low	/man		Cell# 4	12-580-8	659	Office#	412-249-3927
Profile _	CAB2	(3-letter	code)		Carrier _		(3-letter c	ode)	Truck#
Customer/C	harge To	809	(3-digit nur	nber)	Origin	58_	(2-digit nu	ımber)	
WASTE/			DE	SCRIPTION (OF WASTE				PERCENTAGE
801	drilling resi	duals from	natural gas w	ell drilling - \	WTL EC#28	0344 - 5/	12/2010		100%
	TOTAL PER	CENTAGE							100%
Generator Certif	fication: I hereb	y certify that t	he above named m	aterial(s) is not h	azardous wast	e as defined l	by CFR Part 261	or any applicable	state
aw, has been pr	roperly describe	ed and package	ed and is in proper	condition for tran	sportation acc	ording to app	licable regulati	ons AND if the wa	aste is a
reatment residue of a previously restricted hazardous waste subject to the 🖓 fill Disposal RestrictioN, I certify and warrant that the waste has									
een treated in	accordance wit	h the requirem	ents of 40 CER 268	and is no longer	hazardous as c	lefined by 40	CFR Part 261.		
				the .			<u> </u>	2 <i>7-10</i>	·
TT C	R SIGNAT	USE OF CE	RTIFICATION			_	_	DATE	,
E.T.6.1.	11.24	B/	ω_H	1451/5	XP: Teb	.2011		27-10	
transpoř	TER - DRIV	ER SIGNA	TURE	WH# & MC	D/YR EXPI	RATION		DATE	
Sex.	1/h/s	la .				$_{\sim}$			
LANDFILL V	NASTE INS	PECTOR S	IGNATURE	700	7534	CEPTED	-27-	REJECTED	11:42
WEIGHMA	STER SIGN	ATURE		LICENSE#		DATE		TIME (AM	<i>()</i> PM)
	\cup								



HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00

TICKET: 400672 DATE: 5/27/2010

TIME: 10:30:53 - 11:47:07

TONS:

TRUCK: ETGI 252

CUSTOMER: 809/CABOT OIL & GAS CORPORATION

FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

GROSS: 62100 LBS Scale

9.89 TNS

TARE: 42320 LBS Scale NET: 19780 LBS

2H4H WELL - CABOT OIL & GAS PROFILE: CAB2 GENERATOR 111/CABOT OIL & GAS CORP

GRID: 2989/N3116.05, E11087.69, ELE659.78

COMMENT:

ORIGIN	MATERIALS & SERVICES	PCT QU	JANTITY RATE	AMOUNT
58/SUSQUEHANNA	801C/DRILLING RESIDUALS - C	100	9.89 @ \$35,50 per Ton	\$351.10
•			TOTAL FEES:	\$44.50
			TOTAL AMOUNT:	\$395.60

FEES COMPRISED OF THE FOLLOWING:

DISPOSAL/SERVICES:	\$351.10
HOST COMMUNITY FEE: @ \$1.25 PER TON	\$12.36
ENVIRONMENTAL STEWARDSHIP FEE: @ \$0.25 PER TON	\$2.47
HOST COUNTY FEE: @ \$3.00 PER TON	\$29.67

IN OPERATOR: JESSICA - 70953

OUT OPERATOR: JESSICA - 70953 DRIVER: Thu May 2010 06/27/10 11:47:08

www.waynetwplandfill.com E-MAIL: ccswa@waynetwplandfill.com

CABOT-EPA 007539

DIM0228772 DIM0227454

Wayne To	wnship La	ndfill	PADEP Permit#10	0955 R	esidual \	Waste Manifest No	
Generato	r Name	Cabot Oi	l & Gas Corporation				
Generator	Location		2H4H WELL-LAT4144	22.03N - LONG7	55400.74	W - DIMOCK TWP - SUS	QUEHANNA CTY
Contact N	lame	Chris Lov	vman	Cell# 4	12-580-8	3659 Office#	412-249-3927
Profile	CAB2	(3-letter	code)	Carrier	_	(3-letter code)	Truck#
Customer/	Charge To	809	(3-digit number)	Origin	58	(2-digit number)	
WASTE			DESCRIPT	ION OF WASTE			PERCENTAGE
801	drilling res	iduals from	natural gas well dril	ling - WTL EC#28	0344 - 5,	/12/2010	100%
	TOTAL PE	RCENTAGI					100%
Generator Cer	tification: I here	by certify that	the above named material(s)	is not hazardous wast	e as defined	by CFR Part 261 or any applicab	le state
law, has been	property describ	ed and packag	ed and is in proper condition	for transportation ac	cording to ap	plicable regulations AND if the v	vaste is a
treatment resi	idue of a previou	sly restricted !	nazardoys waste subject to th	e Landfill Disposal Re	strictioN, I ce	rtify and warrant that the waste	e has
been treated i	n accordance wi	th the regulater	news of 40 CFR 268 and is no	longer hazardous as	defined by 40	CFR Part 261.	
	7_	_ ~	<u>~~.</u>			5-2/2	0
GENERAT	OR SIGNAT	URE OF C	ERTIFICATION / TITI	LE	. 1	DATE 1	^ .
ET6-1	10	m m	Vegy WH	1451	2///	5/27//	<u> </u>
TRANSPO	RTER - DRI	VER SIGN	ATURE WH#	& MO/YR EXPI	RATION	DATE	
SH	MA	AL.			_X_		
LANDFILL	WASTEIN	SPECTOR	SIGNATURE (953ª	CCEPTED	77-LOREJECTED	11.4)
WEIGHM	ASTER SIG	NATURE	LICE	ISE#	DATE	TIME (AM	<i>[/</i> PM)



HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00

TICKET: 400695 DATE: 5/27/2010

TIME: 11:38:58 - 12:19:39

TRUCK: FCI 796

CUSTOMER: 809/CABOT OIL & GAS CORPORATION

FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276 '

GROSS: 68420 LBS Scale

TARE: 36440 LBS Scale NET: 31980 LBS

PROFILE: CAB2 2H4H WELL - CABOT OIL & GAS GENERATOR 111/CABOT OIL & GAS CORP

GRID: 2989/N3116.05, E11087.69, ELE659.78

COMMENT:

MANIFEST: \$192284

TONS: 15.99 TNS

ORIGIN MATERIALS & SERVICES PCT QUANTITY RATE AMOUNT 58/SUSQUEHANNA 801C/DRILLING RESIDUALS - C 100 15.99 @ \$35.50 per Ton \$567.65 TOTAL FEES: \$71.96 TOTAL AMOUNT: \$639.61

FEES COMPRISED OF THE FOLLOWING:

DISPOSAL/SERVICES: \$567.65 HOST COMMUNITY FEE: @ \$1.25 PER TON \$19.99 ENVIRONMENTAL STEWARDSHIP FEE: @ \$0.25 PER TON \$4.00 HOST COUNTY FEE: @ \$3.00 PER TON \$47.97

IN OPERATOR: JESSICA - 70953

OUT OPERATOR: TRACY - 066750

www.waynetwplandfill.com E-MAIL: ccswa@waynetwplandfill.com

CABOT-EPA 007541

Wayne To	wnship La	ndfill	PADEP Per	mit#100955	Resi	dual W	aste Manife	est No	5192284
Generator	Name	Cabot Oil	& Gas Corpo	oration					
Generator	Generator Location 2H4H WELL-LAT414422.03N - LONG755400.74W - DIMOCK TWF - SUSQUEHANNA CTY								
Contact N	Name Chris Lowman Cell# 412-580-8659 Office#						412-249-3927		
Profile	CAB2	_(3-letter	code)	Ca	rrier	(3-letter cod	ie)	Truck# <u>796</u>
Customer/	Charge To	809	(3-digit nu	mber) O	rigin !	58 (2-digit num	ber)	
WASTE_	,		DE	SCRIPTION OF	VASTE				PERCENTAGE
801	drilling res	duals from	natural gas v	vell drilling - WTI	EC#2803	44 - 5/1	2/2010		100%
	TOTAL PE	RCENTAGE							100%
Generator Cert	Generator Certification: I hereby certify that the above named material(s) is not hazardous waste as defined by CFR Part 261 or any applicable state								
iaw, has been p	properly describ	ed and package	ed and is in proper	condition for transpor	tation accordi	ng to appli	icable regulations	AND if the w	aste is a
treatment resid	treatment residue of a previously restricted hazardous waste subject to the Landfill Disposel Restriction, I certify and warrant that the waste has								
been treated in	been treated in accordance with the requirements of 40 CFR 268 and to 10 LFR 268 and								
			7	- ht	52		5~2	Z-/()	· · · · · · · · · · · · · · · · · · ·
GENERAT	OR SIGNAT	URE OF C	RTIFICATIO			.1	, Q	ATE /	. /
Br	IR Cu	<u> </u>	/	WHOTSY		4/11		5/2	7/10
TRANSPO	RTER - DRI	VER/SIGN/	TURE	WH# & MO/Y	R EXPIRA	TIÓN	ı	DATE	
	PHI		11			<u> </u>			
LANDFILL	WASTE'IN	SPECTOR S	IĞNATURE	70953	ACĆE	PTED 52	$\frac{1}{2}$	EJECTED	12:20
WEIGHM	ASTER SIGN	ATURE		LICENSE#		DATE	Ţ	IME (AM	/ PM)



TICKET: 400804 DATE: 5/28/2010

HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00

TIME: 07:24:33 - 07:47:46

TRUCK: FCI 900

CUSTOMER: 809/CABOT OIL & GAS CORPORATION

FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

GROSS: 73180 LBS Scale

TARE: 37580 LBS Scale

2H4H WELL - CABOT OIL & GAS PROFILE: CAB2/I GENERATOR 111/CABOT OIL & GAS CORP

NET: 35600 LBS

GRID: DC2/N 2945.84 E 11264.02 ELE 656.69

TONS: 17.80 TNS

COMMENT:

MANIFEST: S158989

ORIGIN	MATERIALS & SERVICES	•	UANTITY RATE	AMOUNT
58/SUSQUEHANNA	801/DRILLING RESIDUALS	100	17.80 @ \$29.50 per Ton	\$525.10
ı			TOTAL FEES:	\$186.90
			TOTAL AMOUNT:	\$712.00

EES COMPRISED OF THE FOLLOWING:

DISPOSAL/SERVICES:	\$525.10
HOST COMMUNITY FEE: @ \$1.25 PER TON	\$22.25
PA RECYCLING FEE: @ \$2.00 PER TON	\$35.60
ENVIRONMENTAL STEWARDSHIP FEE: @ \$4.25 PER TON	\$75.65
HOST COUNTY FEE: @ \$3.00 PER TON	\$53.40

IN OPERATOR: JESSICA - 70953

OUT OPERATOR: JESSICA - 70953

www.waynetwplandfill.com E-MAIL: ccswa@waynetwplandfill.com

CABOT-EPA 007543

Box 0602

Generator Name Generator Location 2H4H WELL-LAT414422.03N - LONG755400.74W - DIMOCK TWP - SUSQUEHANNA CTY Contact Name Chris Lowman Cell# 412-580-8659 Office# 412-249-3927 Profile CAB2 (3-letter code) Carrier (3-letter code) Customer/Charge To 809 (3-digit number) DESCRIPTION OF WASTE DESCRIPTION OF WASTE PERCENTAGE Generator Certification: I hereby certify that the above named material(s) is not hazardous waste as defined by CFR Part 261 or any applicable state law, has been properly described and packaged and is in proper condition for transportation according to applicable regulations AND if the waste is a treatment residue of a previously restricted hazardous waste subject to the Landfill Disposal Restriction, I certify and warrant that the waste has been treated in accordance with the return plants of 40 CFR 268 and is no longer hazardous as defined by 40 CFR Part 261. GENERATOR SIGNATURE OF CERTIFICATION / TITLE DATE COMMANDIAN ACCEPTED ACCEPTED REJECTED REJE	Wayne To	wnship Lar	dfill	PADEP Permit	#100955	Residua	Waste Manifest N	10 5158989	
Generator Location Chris Lowman Cell# 412-580-8659 Office# 412-249-3927 Profile CAB2 (3-letter code) Carrier Galetter code) Customer/Charge To 809 (3-digit number) WASTE DESCRIPTION OF WASTE DESCRIPTION OF WASTE TOTAL PERCENTAGE Generator Certification: I hereby certify that the above named material(s) is not hazardous waste as defined by CFR Part 261 or any applicable state law, has been properly described and packaged and is in proper condition for transportation according to applicable regulations AND if the waste is a treatment residue of a previously restricted hazardous waste subject to the Landfill Disposal Restriction, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer hazardous as defined by 40 CFR Part 261. GENERATOR SIGNATURE OF CERTIFICATION / TITLE Common (754 4/-// 5/27// 5/								<u> </u>	
Contact Name Chris Lowman Cell# 412-580-8659 Office# 412-249-3927 Profile CAB2 (3-letter code) Carrier (3-letter code) Truck# 9 CC Customer/Charge To 809 (3-digit number) Origin 58 (2-digit number) WASTE DESCRIPTION OF WASTE PERCENTAGE 801 drilling residuals from natural gas well drilling - WTL EC#280344 - 5/12/2010 1 TOTAL PERCENTAGE 1 Generator Certification: 1 hereby certify that the above named material(s) is not hazardous waste as defined by CFR Part 261 or any applicable state law, has been properly described and packaged and is in proper condition for transportation according to applicable regulations AND if the waste is a treatment residue of a previously restricted hazardous waste subject to the Landfill Disposal Restriction, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer hazardous as defined by 40 CFR Part 261. GENERATOR SIGNATURE OF CERTIFICATION / TITLE DATE	Generator	· · · · · · · · · · · · · · · · · · ·							
Profile CAB2 (3-letter code) Carrier (3-letter code) Truck# 960 Customer/Charge To 809 (3-digit number) Origin 58 (2-digit number) WASTE DESCRIPTION OF WASTE PERCENTAGE 801 drilling residuals from natural gas well drilling - WTL EC#280344 - 5/12/2010 1 TOTAL PERCENTAGE 1 Generator Certification: I hereby certify that the above named material(s) is not hazardous waste as defined by CFR Part 261 or any applicable state law, has been properly described and packaged and is in proper condition for transportation according to applicable regulations AND if the waste is a treatment residue of a previously restricted hazardous waste subject to the Landfill Disposal Restriction, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 269 and is no longer hazardous as defined by 40 CFR Part 261. GENERATOR SIGNATURE OF CERTIFICATION / TITLE DATE F. C. T.									
Customer/Charge To 809 (3-digit number) Origin 58 (2-digit number) WASTE DESCRIPTION OF WASTE PERCENTAGE 801 drilling residuals from natural gas well drilling - WTL EC#280344 - 5/12/2010 1 TOTAL PERCENTAGE Generator Certification: I hereby certify that the above named material(s) is not hazardous waste as defined by CFR Part 261 or any applicable state law, has been properly described and packaged and is in proper condition for transportation according to applicable regulations AND if the waste is a treatment residue of a previously restricted hazardous waste subject to the Landfill Disposal Restriction, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 269 and is no longer hazardous as defined by 40 CFR Part 261. GENERATOR SIGNATURE OF CERTIFICATION / TITLE DATE TRANSPORTER - DRIVER SIGNATURE WH# & MO/YR EXPIRATION DATE LANDFILL WASTE INSPECTOR SIGNATURE ACCEPTED REJECTED REJECTED									
WASTE DESCRIPTION OF WASTE PERCENTAGE 801 drilling residuals from natural gas well drilling - WTL EC#280344 - 5/12/2010 1 TOTAL PERCENTAGE Generator Certification: I hereby certify that the above named material(s) is not hazardous waste as defined by CFR Part 261 or any applicable state law, has been properly described and packaged and is in proper condition for transportation according to applicable regulations AND if the waste is a treatment residue of a previously restricted hazardous waste subject to the Landfill Disposal Restriction, I certify and warrant that the waste has been treated in accordance with the requirement of 40 CFR 268 and is no longer hazardous as defined by 40 CFR Part 261. GENERATOR SIGNATURE OF CERTIFICATION / TITLE DATE 754 754 COMMON OF WASTE INSPECTOR SIGNATURE WH# & MO/YR EXPIRATION REJECTED REJECTED REJECTED REJECTED			• •	•			_ `		
## ACCEPTED ** ## ACCEPTED **	·	Charge 10	603				(z-digit number)		
TOTAL PERCENTAGE Generator Certification: I hereby certify that the above named material(s) is not hazardous waste as defined by CFR Part 261 or any applicable state law, has been properly described and packaged and is in proper condition for transportation according to applicable regulations AND if the waste is a treatment residue of a previously restricted hazardous waste subject to the Landfill Disposal Restriction, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer hazardous as defined by 40 CFR Part 261. GENERATOR SIGNATURE OF CERTIFICATION / TITLE DATE TRANSPORTER - DISIVER SIGNATURE WH# & MO/YR EXPIRATION DATE LANDFILL WASTE INSPECTOR SIGNATURE ACCEPTED REJECTED REJECTED									
Generator Certification: I hereby certify that the above named material(s) is not hazardous waste as defined by CFR Part 261 or any applicable state law, has been properly described and packaged and is in proper condition for transportation according to applicable regulations AND if the waste is a treatment residue of a previously restricted hazardous waste subject to the Landfill Disposal Restriction, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer hazardous as defined by 40 CFR Part 261. GENERATOR SIGNATURE OF CERTIFICATION / TITLE DATE DATE TRANSPORTER - DISIVER SIGNATURE WH# & MO/YR EXPIRATION DATE LANDFILL WASTE INSPECTOR SIGNATURE ACCEPTED REJECTED	801	drilling resi	duals from	natural gas well	drilling - WTL EC	280344 -	5/12/2010	100%	
Generator Certification: I hereby certify that the above named material(s) is not hazardous waste as defined by CFR Part 261 or any applicable state law, has been properly described and packaged and is in proper condition for transportation according to applicable regulations AND if the waste is a treatment residue of a previously restricted hazardous waste subject to the Landfill Disposal Restriction, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer hazardous as defined by 40 CFR Part 261. GENERATOR SIGNATURE OF CERTIFICATION / TITLE DATE DATE TRANSPORTER - DISIVER SIGNATURE WH# & MO/YR EXPIRATION DATE LANDFILL WASTE INSPECTOR SIGNATURE ACCEPTED REJECTED						·			
law, has been properly described and packaged and is in proper condition for transportation according to applicable regulations AND if the waste is a treatment residue of a previously restricted hazardous waste subject to the Landfill Disposal Restriction, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer hazardous as defined by 40 CFR Part 261. GENERATOR SIGNATURE OF CERTIFICATION / TITLE DATE DATE TRANSPORTER - DISIVER SIGNATURE WH# & MIO/YR EXPIRATION DATE LANDFILL WASTE INSPECTOR SIGNATURE ACCEPTED REJECTED		TOTAL PER	RCENTAGE					100%	
treatment residue of a previously restricted hazarous waste subject to the Landfill Disposal Restriction, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer hazardous as defined by 40 CFR Part 261. GENERATOR SIGNATURE OF CERTIFICATION / TITLE DATE / 5/27 / 0 TRANSPORTER - DISIVER SIGNATURE WH# & MIO/YR EXPIRATION DATE LANDFILL WASTE INSPECTOR SIGNATURE ACCEPTED REJECTED	Generator Certification: I hereby certify that the above named material(s) is not hazardous waste as defined by CFR Part 261 or any applicable state								
SENERATOR SIGNATURE OF CERTIFICATION / TITLE COMPANY OF THE SIGNATURE OF CERTIFICATION / TITLE COMPANY OF	law. has been properly described and packaged and is in proper condition for transportation according to applicable regulations AND if the waste is a								
GENERATOR SIGNATURE OF CERTIFICATION / TITLE FC T	treatment resi	due of a previou	sly restricted h	azagaous waste subject	to the Landfill Disposa	RestrictioN, I	certify and warrant that the	e waste has	
GENERATOR SIGNATURE OF CERTIFICATION / TITLE FC T	been treated i	n accordance wit	h the requirers	ents of 40 CFR 268 and	is no longer hazardous	as defined by	40 CFR Part 261.		
TRANSPORTER - DRIVER SIGNATURE WH# & MO/YR EXPIRATION DATE LANDFILL WASTE INSPECTOR SIGNATURE OF SACCEPTED & LIRE ECTED OF SIGNATURE OF SACCEPTED & LIRE ECTED OF SIGNATURE OF SACCEPTED O			-A	Man	•		5~3	? <i>~10</i>	
TRANSPORTER - DRIVER SIGNATURE WH# & MO/YR EXPIRATION DATE LANDFILL WASTE INSPECTOR SIGNATURE OF SACCEPTED & LIRE ECTED OF SIGNATURE OF SACCEPTED & LIRE ECTED OF SIGNATURE OF SACCEPTED O	GENERAT	OR SIGNAT	URE OF CE	RTIFICATION /	TITLE		DATE	1	
TRANSPORTER - DRIVER SIGNATURE WH# & MO/YR EXPIRATION DATE LANDFILL WASTE INSPECTOR SIGNATURE ACCEPTED ACCEPTE	FCZ	· 4/	Pont	1 = 7		~//	5/27	1/10	
LANDFILL WASTE INSPECTOR SIGNATURE 1093 ACCEPTED 18 L REJECTED 19	TRANSPO	RTER DRI	/FR SIGNA	TURE W	/ / ~ /	PIRATION	V DATI		
10953 5-10-10 g1.91	1 2 0		مرسرج						
10953 5-10-10 gl.91	2	CALLED AND AND AND AND AND AND AND AND AND AN	DECTOR O	ICNIATURE C	V= 0 <=	ACCEPTE	DOC DEIEC	TEDO ()	
	LANDFILL	WASTE IN		GNATORE /)(`)4< <u>^</u>	ACCEPTE		1:41	
		45750 5151	A IV	<u> </u>	CENICE#	DAT	TINAE	(AAA) DAA)	
WEIGHMASTER SIGNATURE LICENSE# DATE TIME (AM / PM)	IWEIGHM	ASTER SIGN	IN OKE		CENSER	DAII	E MIVIE	AIVI / PIVI)	



3OX 209, MCELHATTAN, PA 17748 PHONE: 570-769-6977 FAX: 570-769-7366 HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00

DATE: 5/28/2010

TICKET: 400830

TIME: 08:14:29 - 08:39:17

TRUCK: FCI 900

CUSTOMER: 809/CABOT OIL & GAS CORPORATION

FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

GROSS: 72480 LBS Scale

TARE: 38000 LBS Scale

PROFILE: CAB2 2H4H WELL - CABOT OIL & GAS GENERATOR 111/CABOT OIL & GAS CORP

NET: 34480 LBS TONS: 17.24 TNS

GRID: DC2/N 2945.84 E 11264.02 ELE 656.69

MANIFEST: 192378

COMMENT:

ORIGIN-

MATERIALS & SERVICES

PCT QUANTITY RATE

AMOUNT

58/SUSQUEHANNA

801/DRILLING RESIDUALS

17.24 @ \$29.50 per Ton

\$508.58

TOTAL FEES:

\$181.02

TOTAL AMOUNT:

\$689.60

EES COMPRISED OF THE FOLLOWING:

DISPOSAL/SERVICES;	\$508.58
HOST COMMUNITY FEE: @ \$1.25 PER TON	\$21.55
PA RECYCLING FEE: @ \$2.00 PER TON	\$34.48
ENVIRONMENTAL STEWARDSHIP FEE: @ \$4.25 PER TON	\$73.27
HOST COUNTY FEE: @ \$3.00 PER TON	\$51.72

IN OPERATOR: JESSICA - 70953

DRIVER: Fri May 2010 05/28/10 08 38:15

OUT OPERATOR: JESSICA - 70953

www.waynetwplandfill.com E-MAIL: ccswa@waynetwplandfill.com

CABOT-EPA 007545

Wayne Township Landfill PADEP Perm			mit#100955	Re	sidual	192378				
Generator Name Cabot Oil & Gas Corpo		oration								
Generator Location 2H4H WELL-LA			AT414422.03N	N - LONG75	5400.74	4W - DIMOCK	TWP - SUS	QUEHANNA CTY		
Contact Name		Chris Lowman			Cell# 412-580-8659			Office# 412-249-3927		
Profile	CAB2	(3-letter	code)		Carrier (3-1			ode)	Truck#	
Customer/	Charge To	809	(3-digit nu	mber)	Origin	58	_ (2-digit nu	mber)	900	
WASTE			DE	SCRIPTION O	F WASTE				PERCENTAGE	
801	drilling resi	duals from	natural gas v	well drilling - V	VTL EC#280	344 - 5	/12/2010		100%	
	TOTAL PER	TOTAL PERCENTAGE								
Generator Cer	tification: I hereb	y certify that	the above named	material(s) is not ha	zardous waste	as defined	by CFR Part 261	or any applicabl	a state	
iaw, has been	property describ	ed and packag	ed and is in prope	r condition for trans	sportation acco	rding to a	oplicable regulation	ons AND if the w	raste is a	
treatment resi	idue of a previou	sly restricted h	hazardous waste s	ubject to the Landfil	Il Disposal Rest	rictioN, 1 c	ertify and warran	t that the waste	has	
been treated i	n accordance wit	h the requirer	ments of 40 CFR 26	8 and is no johres h	nazardous as de	efined by 4	0 CFR Part 261.	_	_	
				h	100			22-10	7	
GENERAT	OR SIGNAT	ure of e	ERTIFICATIO	N / TITLE	,			DÁTE	. 3.	
1-CI	Kobei	t Du	get le	H8754	5/11		<u> </u>	<u>-27-</u>	10	
TRANSPO	RTER DRIV	/ER SIGN/	A FURE	WH# & MO	/YR ÉXPIF	RATION		DATE		
20	Mh	alla				\prec				
LANDFILL	WASTE INS	PECTOR S	SIGNATURE	7MC	~ AC	CEPTE	98.10	REJECTED	a.29	
		~\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	<u>()</u>	1015	<u> </u>	<u>`)</u> -	10,10		か. フ,	
lweighm,	aster sign	ATURE		LICENSE#		DATE		TIME (AM	/ ∕PM)	



HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00

TICKET: 400887 DATE: 5/28/2010

TIME: 09:42:35 - 10:16:40

TRUCK: FCI 796

CUSTOMER: 809/CABOT OIL & GAS CORPORATION

FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

GROSS: 68520 LBS Scale

TARE: 36100 LBS Scale

PROFILE: CAB2/ 2H4H WELL - CABOT OIL & GAS

GENERATOR 111/CABOT OIL & GAS CORP

NET: 32420 LBS 16.21 TNS TONS:

GRID: 2990/N 3116.05 E 11087.69 ELE 661.78

COMMENT:

MANIFEST: S192285

ORIGIN	MATERIALS & SERVICES	PCT QUA	NTITY RATE		AMOUNT
58/SUSQUEHANNA	801C/DRILLING RESIDUALS - C	100	16.21 @ \$35.50 per Ton		\$575.46
•			TOTAL FE	ES:	\$72.94
			TOTAL AMOU	NT:	\$648.40

EES COMPRISED OF THE FOLLOWING:

DISPOSAL/SERVICES:	\$575.46
HOST COMMUNITY FEE: @ \$1.25 PER TON	\$20.26
ENVIRONMENTAL STEWARDSHIP FEE: @ \$0.25 PER TON	\$4.05
HOST COUNTY FEE: @ \$3.00 PER TON	\$48.63

IN OPERATOR: JESSICA - 70953

OUT OPERATOR: JESSICA - 70953 DRIVER: Fri May 2010 05/28/10 10 18:38

www.waynetwplandfill.com E-MAIL: ccswa@waynetwplandfill.com

CABOT-EPA 007547

DIM0228780 DIM0227454

nip Landfill	PADEP Permit#1009	955 Re	esidual W	aste Manifest No	5192285
ne Cabot O	il & Gas Corporation				
ion	2H4H WELL-LAT414422	2.03N - LONG75	55400.74W	- DIMOCK TWP - SI	USQUEHANNA CTY
Chris Lo	Chris Lowman		12-580-86	59 Office	# 412-249-3927
AB2 (3-letter	code)	Carrier	(1	3-letter code)	Truck# 796
e To 809	(3-digit number)	Origin	58 (2-digit number)	
	DESCRIPTIO	N OF WASTE			PERCENTAGE
ng residuals from	n natural gas well drillin	g - WTL EC#28	0344 - 5/1	2/2010	100%
IJUCA. L	α contra				
AL PERCENTAG	<u> </u>				100%
n: I hereby certify that	the above named material(s) is	not hazardous waste	as defined by	CFR Part 251 or any applic	able state
y described and packa	ged and is in proper condition fo	r transportation acco	ording to applic	able regulations AND if the	e waste is a
previously restricted	hazardous waste subject to the I	landfill Disposal Rest	trictioN, I certi	y and warrant that the wa	ste has
lance with the require	ments of 40 CFR 268 and is no lo	nger hazardous as di	efined by 40 C	R Part 261.	
io less				5-28-201	ro
GNATURE OF C	ERTIFICATION / TITLE		/	DATE	1
eu-	WW	0754	4/11	5/25	1100
DRIVER SIGN	AFURE WH# &	MO/YR EXPIR	RATION	DATE	
Un/ella			Δ		
TE INSPECTOR	SIGNATURE A	AC AC	CERTED (REJECTE	10.110
$\Delta I K$	10 (177	C	500 10	710.10
RSIGNATURE	LICENS	F# / U	DATE	TIME IAI	M / PMI
	Cabot Orion Chris Lov AB2 (3-letter ge To 809 Ing residuals from AL PERCENTAL In: I hereby certify that by described and packal a previously restricted diagnee with the require ON ATTERINSPECTOR	Cabot Oil & Gas Corporation 2H4H WELL-LAT414422 Chris Lowman AB2 (3-letter code) ge To 809 (3-digit number) DESCRIPTIO Ing residuals from natural gas well drillin AL PERCENTAGE In: I hereby certify that the above named material(s) is y described and packaged and is in proper condition for a previously restricted hazardous waste subject to the I dance with the requirements of 40 CFR 268 and is no lower than the requirements	TE INSPECTOR SIGNATURE Cabot Oil & Gas Corporation 2H4H WELL-LAT414422.03N - LONG79 2H4H WELL-LAT414422.03N - LONG79 Chris Lowman Ceil# 4 Carrier Carrier DESCRIPTION OF WASTE DESCRIPTION OF WASTE AL PERCENTAGE m: I hereby certify that the above named material(s) is not hazardous waste y described and packaged and is in proper condition for transportation access a previously restricted hazardous waste subject to the Landfill Disposal Restricted that are the company of the condition of the condition access as previously restricted hazardous waste subject to the Landfill Disposal Restricted and previously restricted hazardous waste subject to the Landfill Disposal Restricted and previously restricted hazardous waste subject to the Landfill Disposal Restricted and previously restricted hazardous waste subject to the Landfill Disposal Restricted hazardous waste subject to the Landfill Di	Cabot Oil & Gas Corporation 2H4H WELL-LAT414422.03N - LONG755400.74W Chris Lowman Cell# 412-580-86 AB2 (3-letter code) Carrier (3-letter code) Carrier Cell# 412-580-86 AB2 (3-letter code) Carrier Corrier	Cabot Oil & Gas Corporation 2H4H WELL-LAT414422.03N - LONG755400.74W - DIMOCK TWP - SI Chris Lowman Ceil# 412-580-8659 Office AB2 (3-letter code) Carrier (3-letter code) DESCRIPTION OF WASTE Ingresiduals from natural gas well drilling - WTL EC#280344 - 5/12/2010 AL PERCENTAGE In: I hereby certify that the above named material(s) is not hazardous waste as defined by CFR Part 261 or any application of the previously restricted hazardous waste subject to the Landfill Disposal Restriction, I certify and warrant that the waste as defined by 40 CFR Part 261. ACCEPTED DATE WH# & MO/YR EXPIRATION DATE CRESCREE REJECTER REJECTER ACCEPTED REJECTER



. DOX 209, MCELHATTAN, PA 17748 PHONE: 570-769-6977 FAX: 570-769-7366 HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00

TICKET: 401056 DATE: 5/28/2010

TIME: 14:55:14 - 15:40:09

NET:

TONS:

TRUCK: FCI 900

CUSTOMER: 809/CABOT OIL & GAS CORPORATION

FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

71700 LBS Scale GROSS: 37720 LBS Scale TARE:

33980 LBS

16.99 TNS

PROFILE: CAB2 2H4H WELL - CABOT OIL & GAS GENERATOR 111/CABOT OIL & GAS CORP

GRID: 2990/N 3116.05 E 11087.69 ELE 661.78

COMMENT:

MANIFEST: S158988

ORIGIN MATERIALS & SERVICES PCT QUANTITY RATE AMOUNT 58/SUSQUEHANNA 801C/DRILLING RESIDUALS - C 100 16.99 @ \$35.50 per Ton \$603.15 TOTAL FEES: \$76.46 TOTAL AMOUNT: \$679.61

FEES COMPRISED OF THE FOLLOWING:

\$603.15 DISPOSAL/SERVICES: HOST COMMUNITY FEE: @ \$1.25 PER TON \$21.24 ENVIRONMENTAL STEWARDSHIP FEE: @ \$0.25 PER TON \$4.25 HOST COUNTY FEE: @ \$3.00 PER TON \$50.97

IN OPERATOR: JESSICA - 70953 DRIVER: Fri May 2010 00/28/10 15.40:07 OUT OPERATOR: JESSICA - 70953

www.waynetwplandfill.com E-MAIL: ccswa@waynetwplandfill.com

CABOT-EPA 007549

Wayne Township Landfill		ndfill	PADEP Permit#	100955	Residual	l Waste Manifest No		\$ 1589	58
Generator Name		Cabot Oil & Gas Corporation							
Generator	Location	2H4H WELL-LAT414422.03N - LONG755400.74W - DIMOCK TWP - SUSQUEHANNA CTY							CTY
Contact N	lame	Chris Lowman		Cel	Cell# 412-580-8659 Office#			412-249-3927	
Profile	CAB2	_(3-letter co	ode)	Carrie	er	_(3-letter (code)	Truck#	900
Customer	Charge To	809	(3-digit number) Origi	in 58	(2-digit n	umber)		
WASTE/\			DESCRI	PTION OF WA	STE			PERCE	NTAGE
801	drilling resi	duals from r	natural gas well d	rilling - WTL EC	C#280344 - S	/12/2010			100%
	1117	12	O CWH	<u>```\</u>					
	TOTAL PE	RCENTAGE							100%
Generator Cer	tification: I here	y certify that the	above named materia	l(s) is not hazardous	waste as defined	d by CFR Part 26:	1 or any applicat	ole state	
law, has been	properly describ	ed and packaged	and is in proper condit	ion for transportatio	on according to a	pplicable regulat	tions AND if the	waste is a	
treatment res	idue of a previou	sly restricted haz	ardous waste subject to	the Landfill Dispos	al RestrictioN, I c	ertify and warra	nt that the wast	e has	
been treated i	n accordance wi	th the requireme	ms of 40-CTH 268 and is	no longer hazardou	is as defined by 4	10 CFR Part 261.			
		1	a la			<u> </u>	3-10		
GENERAT	OR SIGNAT	URE OF CEF	RTIFICATION / T			5-2	S-/O		
FCZ	- tin	Carl	<u> </u>	754 4	/-/ /_				
TRANSPO	RTER - DRI	VER SIGNAT	TURE WH	I# & MO/YR E	XPIRATION	l	DATE		
يريك	thell.	al				·			
LANDFILL	WASTE	PECTOR SI	GNATURE 🦯	MC2	ACCEPTER	18,10	REJECTED	3:4	()
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IWEIGHM	ASTER SÍGN	IATURE	LIC	ENSE#	DATE		TIME (AN	1 /(PM)/	
	_)					'	_	



LUBOX 209, MCELHATTAN, PA 17748 PHONE: 570-769-6977 FAX: 570-769-7366 HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00

TICKET: 401080 DATE: 5/29/2010 TIME: 07:01:53 - 07:35:15

TONS:

TRUCK: FCI 796

CUSTOMER: 809/CABOT OIL & GAS CORPORATION

FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

GROSS: 81160 LBS Scale

36460 LBS Scale TARE: 44700 LBS NET: 22.35 TNS

2H4H WELL - CABOT OIL & GAS PROFILE: CAB2 GENERATOR 111/CABOT OIL & GAS CORP

GRID: DC2/N 2945.84 E 11264.02 ELE 656.69

COMMENT:

MANIFEST: S192286

ORIGIN MATERIALS & SERVICES PCT QUANTITY RATE AMOUNT 58/SUSQUEHANNA 801/DRILLING RESIDUALS 22.35 @ \$29.50 per Ton 100 \$659.33 TOTAL FEES: \$234.68 TOTAL AMOUNT: \$894.01

FEES COMPRISED OF THE FOLLOWING:

DISPOSAL/SERVICES:	\$659.33
HOST COMMUNITY FEE: @\$1.25 PER TON	\$27.94
PA RECYCLING FEE: @ \$2.00 PER TON	\$44.70
ENVIRONMENTAL STEWARDSHIP FEE: @ \$4.25 PER TON	\$94.99
HOST COUNTY FEE: @ \$3.00 PER TON	\$67.05

IN OPERATOR: JESSICA - 70953

OUT OPERATOR: JESSICA - 70953

www.waynetwplandfill.com E-MAIL: ccswa@waynetwplandfill.com

Wayne Township Landfill			PADEP Permit#100955			Residual Waste Manifest No			5192	586	
Generatúr Name - Cab			i & Gas Corpor	ation							
Generator	Location		2H4H WELL-LAT414422.03N - LONG755400.74W - DIMOCK TWP - SUSQUEHANNA CTY								
Contact Name		Chris Lowinan			Cell# 412-580-8659 C			Office	Office# 412-249-3527		
Profile	CAB2 (3-letter code)				Carrier (3-			r code)	Trucki	796	
Customer/	Charge To	809	(3-digit num	ber)	Origin	58	(2-digit	number	*		
WASTE	i .		DES	CRIPTION O	F WASTE				PERC	ENTAGE	
801	arilling res	iduals fron	natural gas we	ell drilling - V	VTL EC#28	0344 - 5	5/12/2010)		100%	
 	TOTAL PE	RCENTAG						······································		100%	
Communication			the above named ma	unulette notten			d ku CEN Bout	26) or any			
treatment resi	due of a previou	isly restricted	ed ano is in prope. In hazardous waste subj henss of 40 CFR 268 (ect to the Landtd	li Dagosai Re	strictioN, I o	certify and wa	irrani inzi tne wa	iste hus		
GENERAT	GENERATOR SIGNATURE OF CERTIFICATION / TITLE DATE DATE DATE DATE DATE										
TRANSPO	TRANSPORTER - DRIVER SIGNATURE WH# & MC/YR EXPIRATION DATE										
LANDFILL	WASTE IN	SPECTOR	SIGNATURE	109	53 A	CCEPTE	3-29-	10 ELECTE	ن (35	
WEIGHM	FIGHMASTER SIGNATURE LICENSES DATE TIME IAM										



. _ BOX 209, MCELHATTAN, PA 17748 PHONE: 570-769-6977 FAX: 570-769-7366 HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00

TICKET: 401413 DATE: 6/1/2010

TIME: 09:51:00 - 10:23:40

TRUCK: FCI 900

CUSTOMER: 809/CABOT OIL & GAS CORPORATION

FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

GROSS: 75120 LBS Scale

TARE: 36160 LBS Scale 38960 LBS

2H4H WELL - CABOT OIL & GAS PROFILE: CAB2

GENERATOR 111/CABOT OIL & GAS CORP

NET: TONS: 19.48 TNS

GRID: DC2/N 2945.84 E 11264.02 ELE 656.69

COMMENT: MANIFEST: S19219S

ORIGIN	MATERIALS & SERVICES		JANTITY RATE	AMOUNT
58/SUSQUEHANNA	801/DRILLING RESIDUALS	100	19.48 @ \$29.50 per Ton	\$574.66
			TOTAL FEES:	\$204,54
			TOTAL AMOUNT:	\$779.20

FEES COMPRISED OF THE FOLLOWING:

DISPOSAL/SERVICES:	\$574.66
HOST COMMUNITY FEE: @ \$1.25 PER TON	\$24.35
PA RECYCLING FEE: @ \$2.00 PER TON	\$38.96
ENVIRONMENTAL STEWARDSHIP FEE: @ \$4.25 PER TON	\$82.79
HOST COUNTY FEE: @ \$3.00 PER TON	\$58,44

IN OPERATOR; JESSICA - 70953

OUT OPERATOR: JESSICA - 70953

www.waynetwplandfill.com E-MAIL: ccswa@waynetwplandfill.com

CABOT-EPA 007553

Wayne To	ownship La	ndfil!	PADEP Per	mit#100955		Residual	Waste Mai	nifest No	5 192195
Generato	r Name	Cabot Oi	1 & Gas Corp	oration					
Generator	Location		2H4H WELL-L	AT414422.031	¥ - LON	G755400.7	4W - DIMO	K TWP - SUS	QUEHANNA CTY
Contact N	lame	Chris Lov	vman		Cell#	412-580-	8659	Office#	412-249-3927
Profile	CAB2	_(3-letter	code)		Carrier		_(3-letter	code)	Truck# 900
Customer	Charge To	809	(3-digit nu	mber)	Origin	58	(2-digit n	umber)	
WASTE			DE	SCRIPTION O	F WAS	TE			PERCENTAGE
801	drilling res	iduals fron	naturai gas v	vell drilling - V	VTL EC#	280344 - 5	5/12/2010		100
	TOTAL PE	RCENTAG	£						1009
Generator Cer	tification: I here	by certify that	the above named r	naterial(s) is not be	zardous W	aste as define	d by CFR Part 16	1 or any appilcat	le state
law, has been	properly descri	bed and packag	ed and is in proper	condition to: trans	portation	according to a	ppilcable regula	tions AND if the v	vaste is b
treatment res	idue of a previo	usly restricted	pozapodus waste si	oject to the Landfi	# Disposal	Restriction, 1 c	ertify and warra	int that the wast	thas
been treated	in accordance of	ith the receive	ments or 40 CFR 26	å and is no tonger i	azargous.	as defined ೮ _೪ 4	10 CFR Part 261.	6-1-	2010
GENERAL	OR SIGNA	TURE OF C	ERTIFICATIO	N / TITLE				DATÉ	
tin/	Scord	<u> </u>		075	4	4-11	<u> </u>	Q-1-	10
TRANSPO	RTER - DR	VER SIGN	ATURE	WH# & MO	/YR EX	PIRATION	1	DATE	
300	h M/2	de				X			
LANDFILL	WASTEIN	SPECTOR	SIGNATURE	5000		ACCEPTE	1 10	REJECTED	111,73
	$\Delta \Delta$	MO)		<u> 104</u> ,	\sum	_0	-1-10	\sim	10.00
WEIGHM	ASTER AG	NATITRE		HCFNSF#		DATE	•	TIME	/ pmi
	()								



_ BOX 209, MCELHATTAN, PA 17748 PHONE: 570-769-6977 FAX: 570-769-7366 HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00

TICKET: 401420 DATE: 6/1/2010

TIME: 09:54:20 - 10:40:41

TRUCK: FCI 797

CUSTOMER: 809/CABOT OIL & GAS CORPORATION

FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

GROSS: 78000 LBS Scale TARE: 35040 LBS Scale

2H4H WELL - CABOT OIL & GAS PROFILE: CAB2

NET: 42960 LBS

GENERATOR 111/CABOT OIL & GAS CORP GRID: DC2/N 2945.84 E 11264.02 ELE 656.69 TONS: 21.48 TNS

MANIFEST: 192379

COMMENT:

ORIGIN	MATERIALS & SERVICES	PCT Q	UANTITY RATE	AMOUNT
58/SUSQUEHANNA	801/DRILLING RESIDUALS	100	21.48 @ \$29.50 per Ton	\$633.66
			TOTAL FEES:	\$225.54
			TOTAL AMOUNT:	\$859.20

FEES COMPRISED OF THE FOLLOWING:

DISPOSAL/SERVICES:	\$633.66
HOST COMMUNITY FEE: @ \$1.25 PER TON	\$26.85
PA RECYCLING FEE: @ \$2.00 PER TON	\$42.96
ENVIRONMENTAL STEWARDSHIP FEE: @ \$4.25 PER TON	\$91.29
HOST COUNTY FEE: @ \$3.00 PER TON	\$64.44
•	

IN OPERATOR: JESSICA - 70953

OUT OPERATOR: JESSICA - 70953

www.waynetwplandfill.com E-MAIL: ccswa@waynetwplandfill.com

CABOT-EPA 007555

DIM0228788 DIM0227454

vvayne to	wnship La	ndfill	PADEP Permit#1009	955 R	esidua	Waste Manifest No	192374
Generator	r Name	Cabot O	d & Gas Corporation				,
Generator	Location	4	ZHAH WELL-LAT414422	2.03N - LONG7	55400.	74W - DIMOCK TWP - St	JSQUEHANNA CTY
Contact N	ame	Chris Lo	wman	Cell# 4	12-580	-8659 Office	# 412-249-3917
Profile	CAB2	(3-letter	code)	Carrier		(3-letter code)	Truck# 797
Customer/	Charge To	809	(3-digit number)	Origin	58	(2-digit number)	,
WASTE			DESCRIPTIO	N OF WASTE			PERCENTAGE
801	drilling res	duals fror	n natural gas well drillin	ig - WTL EC#28	0344 -	5/12/2010	100%
	TOTAL PE	RCENTAG	Ε				100%
Gene star Cer	ification: I here	excertify that	the above named material(s) is	not hazardous wast	e as defin	ed by CFR Part 261 or any social	able state
law, has been t	properly describ	ed and packa	ged and is in proper condision for	r transportation acc	ording to	applicable regulations AND H the	e waste of a
trearment resi	due of a previou	sly restricted	hezerdous waste subject to the t	landfill Disposal Res	trictioN, I	certify and warrant they the war	te has
been treated in	n Accordance wi	th the require	ment of ADCER 268 and is no to	nger hazərdony as d	elined by	40 CFR Part 261.	2-2010
GENERAT	OR SIGNAT	PREAF C	ERTERATION / TITLE			DATE	1
	T	Mart	Din A los	11-4-11	_	11 / -	
FC			DIBLIDI GIL	40754	-5-	11 10	1-10
TRANSPO	RTER - DRI	VER SIGN		MO/YR EXPI			1-10
TRANSPO	RTER - DRI	VER SIGN					1-10
-34	LH:	Lista		MO/YR EXPI		N DATE	



BOX 209, MCELHATTAN, PA 17748 PHONE: 570-769-6977 FAX: 570-769-7366 HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00 TICKET: 401435 DATE: 6/1/2010

TIME: 10:11:04 - 11:20:01

TRUCK: ETGI 252

CUSTOMER: 809/CABOT OIL & GAS CORPORATION

FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

GROSS: 67720 LBS Scale

TARE: 41240 LBS Scale

PROFILE: CAB2 244H WELL - CABOT OIL & GAS GENERATOR 111/CABOT OIL & GAS CORP

NET: 26480 LBS TONS: 13.24 TNS

GRID: DC2/N 2945.84 E 11264.02 ELE 656.69

COMMENT:

ORIGIN	MATERIALS & SERVICES	PCT QU	JANTITY RATE	AMOUNT
58/SUSQUEHANNA	801/DRILLING RESIDUALS	100	13.24 @ \$29.50 per Ton	\$390.58
			TOTAL FEES:	\$139.02
			TOTAL AMOUNT:	\$529.60

FEES COMPRISED OF THE FOLLOWING:

DISPOSAL/SERVICES: \$3	90.58
HOST COMMUNITY FEE: @ \$1.25 PER TON	316.55
PA RECYCLING FEE: @ \$2.00 PER TON	326.48
ENVIRONMENTAL STEWARDSHIP FEE: @ \$4.25 PER TON	556.27
HOST COUNTY FEE: @ \$3,00 PER TON	39.72

IN OPERATOR: JESSICA - 70953

DRIVER: Tue Jun 2010 08/01/10 11:20:00 OUT OPERATOR: JESSICA - 70953

www.waynetwplandfill.com E-MAIL: ccswa@waynetwplandfill.com

CABOT-EPA 007557

Wayne To	wnship La	ndfill	PADEP Permit#1009	55 R	esidual	Waste Mani	lest No	
Generato	r Name	Cabot Oi	1 & Gas Corporation					
Generator	Location		2H4H WELL-LAT414422	03N - LONG7	55400.7	4W - DIMOCK	TWP - SUS	QUEHANNA CTY
Contact N	lame	Chris Lov	vinan	Cell# 4	12-580	-8659	Office#	412-249-3927
Profile	CAB2	(3-letter	code)	Carrier		(3-letter co	de)	Truck# 28 2
Customer/	Charge To	809	(3-digit number)	Origin	58	(2-digit nur	nber)	
WASTE			DESCRIPTIO	N OF WASTE				PERCENTAGE
801	drilling res	iduals fron	natural gas well drilling	- WTL EC#28	0344 -	5/12/2010		100%
	TOTAL PE	RCENTAG	E					100%
		-1 "	bezardous waste subject to the Li pents of 49 CFR 268 and is no lon	•		•	that the waste	h _d s
GENERAT	· 1	TURE OF C MMCi	ertification / title	% /2/	ril		DATE ///6)
TRANSPO الاعتاثيا	RTER - DRI	VER SIGN	ATORE WHI &	MO/YR EXP	RATION	vi	DATE	
LANDFILL	WASTE IN	SPECTOR	SIGNATURE	953ª	CCEPTE	0-1-10	REJECTED	11:19
MEIGHM	ASTER SIGI	MATURE	าเกรณ์รัก	TH.	DAT	F	TIMF (AM	/ SRAS



. J BOX 209, MCELHATTAN, PA 17748 PHONE: 570-769-6977 FAX: 570-769-7366 TICKET: 401440 DATE: 6/1/2010

HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00

TIME: 10:07:30 - 11:25:49

TRUCK: ETGI 274

CUSTOMER: 809/CABOT OIL & GAS CORPORATION

FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

GROSS: 67480 LBS Scale

TARE: 42780 LBS Scale

PROFILE: CAB2 2H4H WELL - CABOT OIL & GAS NET: 24700 LBS GENERATOR 111/CABOT OIL & GAS CORP TONS: 12.35 TNS

GRID: DC2/N 2945.84 E 11264.02 ELE 656.69

COMMENT:

ORIGIN	MATERIALS & SERVICES	PCT Q	PCT QUANTITY RATE		
58/SUSQUEHANNA	801/DRILLING RESIDUALS	100	12.35 @ \$29.50 per Ton	\$364.33	
			TOTAL FEES:	\$129.68	
			TOTAL AMOUNT:	\$494.01	

FEES COMPRISED OF THE FOLLOWING:

DISPOSAL/SERVICES:	\$364.33
HOST COMMUNITY FEE: @ \$1.25 PER TON	\$15.44
PA RECYCLING FEE: @ \$2.00 PER TON	\$24.70
ENVIRONMENTAL STEWARDSHIP FEE: @ \$4.25 PER TON	\$52.49
HOST COUNTY FEE: @ \$3.00 PER TON	\$37.05

IN OPERATOR; JESSICA - 70953

DRIVER: Tue Jun 2010 08/01/10 11:25:48 OUT OPERATOR: JESSICA - 70953

www.waynetwplandfill.com E-MAIL: ccswa@waynetwplandfill.com

CABOT-EPA 007559

DIM0228792 DIM0227454

Wayne To	ownship La	ndfill	PADEP Peri	mit#100955	R	esidual	Waste Ma	nifest No	
Generato	r Name	Cabot Oi	I 용 Gas Corpo	oration					
Generator	Location		ZH4H WELL-L	AT414422.03	N - LONG7	55400.7	4W - DIMO	CK TWP - SU	ISQUEHANNA CTY
Contact N	lame	Chris Lov	vman		Cell# 4	12-580-	8659	Office	# 412-249-3927
Profile	CAB2	(3-letter	code)		Carrier _		(3-letter	code)	Truck# 274
Customer	/Charge To	809	(3-digit nur	nber)	Origin	58	(2-digit r	umber)	
WASTE			DE	SCRIPTION C	OF WASTE				PERCENTAGE
801	drilling res	iduals fron	natural gas w	vell drilling - \	NTL EC#28	0344 - 5	/12/2010		100%
	}								
	TOTAL PE	RCENTAGI	E						100%
Generator Cer	rtification: I here	by certify that	the spave named n	naterial(s) is not h	azardeus wast	e as deline	by CFR Part 2	it or any applica	ible state
law, has been	properly describ	ed and packag	and is in proper	condition for tran	sportation acc	ording to a	pplicable regula	itions AND If the	waste 4 >
zgs snemjagst	idus of a previou	isiy restrictory	ndardous waste su	bject to the Landf	ili Ortoosai Red	triction, I c	ertify and warr	ant that the was	te has
been treated	la accordance of	th the ryagires	henes of 40 CFR 265	and is no longer i	hazardous as d	lelined by 4	0 CFR Fam 251	1-20	10
GENERAT	GM/SIGNAT	TURE OF C	ERTIFICATION	y / Title				DATE	
Chris	LLA	Su		14	51 1	EEB	2011	6	-1-10
TRANSPO	RTER - DRI	VER SIGN	ATURE	WH# & INC	YR EXPI	RATION		DATE	
500	<u> 1. 91</u>	Liller	-			_>			
LANDFILL	. WASTE IN	SPECTOR !	IGNATURE	709	53	CEPTE) 2-1-10	REJECTED	311:25
IWEIGHM	ASTER SIGI	VATURE	•	LICENCER		DATE		TIME ON	n drai
								_	/



. 3OX 209, MCELHATTAN, PA 17748 PHONE: 570-769-6977 FAX: 570-769-7366 HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00 TICKET: 401471 DATE: 6/1/2010

TIME: 11:57:42 - 12:25:47

TRUCK: ETGI 269

CUSTOMER: 809/CABOT OIL & GAS CORPORATION

FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

GROSS: 86660 LBS Scale

TARE: 38260 LBS Scale

PROFILE: CAB2 244H WELL - CABOT OIL & GAS NET: 48400 LBS GENERATOR 111/CABOT OIL & GAS CORP TONS: 24.20 TNS

GRID: DC2/N 2945.84 E 11264.02 ELE 656.69

COMMENT:

ORIGIN	MATERIALS & SERVICES	PCT Q	UANTITY RATE	AMOUNT
58/SUSQUEHANNA	801/DRILLING RESIDUALS	100	24.20 @ \$29.50 per Ton	\$713.90
			TOTAL FEES:	\$254.10
			TOTAL AMOUNT:	\$968.00

ZES.COMPRISED OF THE FOLLOWING:

DISPOSAL/SERVICES:	\$713.90
HOST COMMUNITY FEE: @ \$1.25 PER TON	\$30.25
PA RECYCLING FEE: @ \$2.00 PER TON	\$48.40
ENVIRONMENTAL STEWARDSHIP FEE: @ \$4.25 PER TON	\$102.85
HOST COUNTY FEE: @ \$3.00 PER TON	\$72.60

IN OPERATOR: JESSICA - 70953

DRIVER: Tue Jun 2010 08/01/10 12:25:45 OUT OPERATOR: JESSICA - 70953

www.waynetwplandfill.com E-MAIL: ccswa@waynetwplandfill.com

CABOT-EPA 007561

Wayne Township Landfill PADEP Permit#100955 Residual Waste Manifest No							ifest No	
Generato	r Name	Cabot O	1 & Gas Corporation					
Generator	QUEHANNA CTY							
Contact N	act Name Chris Lowman Cell# 412-580-8659 Office# 4							412-249-3927
Profile	CAB2	(3-letter	code)	Carrier		(3-letter co	ode)	Truck# 26 7
Customer,	/Charge To	809	(3-digit number)	Origin	58	(2-digit nu	mber)	
WASTE			DESCRIPTIO	N OF WASTE				PERCENTAGE
801	drilling res	iduals fron	natural gas weil drilling	S - WTL EC#28	10344 -	5/12/2010		100%
	TOTAL PE	RCENTAG	:					100%
Generator Cer	rtification: I here	by certify that	the above named material(c) is n	ot nazardous was	e as define	d by CFR Part 261	or any applicable	state
law, has been	property describ	ed and packag	ed and is in proper condition for	transportation acc	ording to a	applicable regulation	ons AND If the wa	aste is n
treatment res	idue of a mevicu	sly restricted (iorescone mosts apiecs to the ri	andfili Disposal Re	rictioN, I	certify and warran	t that the waste I	h#s
been treated	n arcordance wi	th the require	menis/51 40 of R 268 and is no lon	iger hazardisus 25 i	felined by	40 CFR Part 251.		
		<u>.</u>	مستعثريك				- 1~1<	120
GENERAT	PIT STONAT	URE OF C	ERTIFICATION / TITLE	24/21		ĆŽ.	DATE	——————————————————————————————————————
161	BA		145	ol /Fet	201	/ 6	G-01-10)
TRAMEPO	HTEH DRI	VER SIGN	ATURE WH# &	MC/YR EXP	RATION	1	DATE	
follow	عص	tu	-C					- /
LANDFILL	WASTE IN	SPECTOR:	NGNATURE	9534	CEPTE	-1-16	REJECTED	79:35
WEIGHM	ASTER SIGN	UATHIRE	LICENSI	F#	DATI		TIME (AM	(DMI)
		\ \						\ /



30X 209, MCELHATTAN, PA 17748 PHONE: 570-769-6977 FAX: 570-769-7366 HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00

TICKET: 401607 DATE: 6/2/2010

TIME: 07:37:11 - 08:16:33

TRUCK: FCI 797

CUSTOMER: 809/CABOT OIL & GAS CORPORATION

FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

GROSS: 78700 LBS Scale

TARE: 36700 LBS Scale

2H4H WELL - CABOT OIL & GAS PROFILE: CAB2 GENERATOR 111/CABOT OIL & GAS CORP

NET: 42000 LBS

GRID: DC2/N 2945.84 E 11264.02 ELE 656.69

TONS: 21.00 TNS

COMMENT:

MANIFEST: 192380

ORIGIN	MATERIALS & SERVICES	PCT QUA	AMOUNT	
58/SUSQUEHANNA	801/DRILLING RESIDUALS	100	21.00 @ \$29.50 per Ton	\$619.50
			TOTAL FEES:	\$220.50
			TOTAL AMOUNT:	\$840.00

EES COMPRISED OF THE FOLLOWING:

DISPOSAL/SERVICES:	\$619.50
HOST COMMUNITY FEE: @ \$1.25 PER TON	\$26.25
PA RECYCLING FEE: @ \$2.00 PER TON	\$42.00
ENVIRONMENTAL STEWARDSHIP FEE: @ \$4.25 PER TON	\$89.25
HOST COUNTY FEE: @ \$3.00 PER TON	\$63.00

IN OPERATOR: JESSICA - 70953

OUT OPERATOR: JESSICA - 70953

www.waynetwplandfill.com E-MAIL: ccswa@waynetwplandfill.com

CABOT-EPA 007563

				1	1	1					
Wayne T	ownship La	ndfill	PADE	Permit#1009	\$5		Residual	Waste Ma	anifest No	<i>19238</i>	0
Generato	or Name	Cabot Oi	l & Gas	Corporation	1	1					
Generator	r Location		2H4H W	ELL-LAT414422	.03h	- LONG	755400.74	W - DIMO	CK TWP - SU	SQUEHANNA	CTY
Contact I	Name	Chris Lov	vman		;	Cell#	412-580-	8659	Office	412-249-3	927
Profile	CA82	(3-letter	code)		1	Carrier		_{3-letter	code)	Truck#	<u> 797 </u>
Customer	/Charge To	809	(3-dig	it number)		Origin	58	(2-digit	number)		
WASTE				DESCRIPTIO	NO	F WAST	Ε .			PERCE	NTAGE
801	drilling res	iduals from	n natural	gas well drilling	g - W	TL EC#2	80344 - 5	/12/2010			100%
	TOTAL PE	RCENTAG	E į								100%
Generator Ce	ertification: I here	by certify that	the above	amed material(s) is n	ot ha	ardous wa	ste as defined	by CFR Part 2	61 or any applica	ble state	
iaw, has beer	n properly descri	ed and packag	ged and 15 in	proper condition for	trans	portation a	ccording to ap	pilcable regul	ations AND If the	waste is a	
i		•	ì	vaste subject to the L	1 !	!				e has	
been treated	in accordance w	th the requirer	ments at 40	CEPTER and is not for	ger h	azardous a	defined by 4	O CFR Part 26:	1. -20/10)		
GENERAT	TOR SIGNA	FURE OF C	ENTIE	ATION / TITLE					DATE		· · · · · · · · · · · · · · · · · · ·
FCI	= Kol	ut t	ELLAN X	witto	15	4 5	-11		6-1-1	10	
TRANSPO	ORTER DRI	VER SIGN	ATURE		Мα	YR EXP	IRATION		DATE		
20	the start				Ŀ						
LANDFIL	L WASTE IN	SPECTOR!	SIGNAT	URE	70	152	ACCEPTED	10-2-1	REJECTED	8:17	
WFIGHN	ASTER SIC	ATTIRE	,	HERNSI	#		DATE		TIMETAN) PMI	



r J BOX 209, MCELHATTAN, PA 17748 PHONE: 570-769-6977 FAX: 570-769-7366 HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00 TICKET: 401608 DATE: 6/2/2010

TIME: 07:43:37 - 08:19:36

TRUCK: FCI 900

CUSTOMER: 809/CABOT OIL & GAS CORPORATION

FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

GROSS: 72740 LBS Scale

TARE: 37400 LBS Scale NET: 35340 LBS

PROFILE: CAB2 2H4H WELL - CABOT OIL & GAS

GENERATOR 111/CABOT OIL & GAS CORP

TONS: 17.67 TNS

GRID: DC2/N 2945.84 E 11264.02 ELE 656.69 COMMENT:

MANIFEST: S192196

ORIGIN	MATERIALS & SERVICES	PCT Q	UANTITY RATE	AMOUNT
58/SUSQUEHANNA	801/DRILLING RESIDUALS	100	17.67 @ \$29.50 per Ton	\$521.27
			TOTAL FEES:	\$185.54
			TOTAL AMOUNT:	\$706.81

ZEES COMPRISED OF THE FOLLOWING:

DISPOSAL/SERVICES:	\$521.27
HOST COMMUNITY FEE: @ \$1.25 PER TON	\$22.09
PA RECYCLING FEE: @ \$2.00 PER TON	\$35.34
ENVIRONMENTAL STEWARDSHIP FEE: @ \$4.25 PER TON	\$75.10
HOST COUNTY FEE: @ \$3.00 PER TON	\$53.01

IN OPERATOR: JESSICA - 70953

www.waynetwplandfill.com E-MAIL: ccswa@waynetwplandfill.com

CABOT-EPA 007565

						<u> </u>				•••
Wayne To	wnship La	ndfill	PADE	P Permit#1009	\$5	F	Residual '	Waste Man	fest No	\$192196
Generato	r Name	Cabot Oil	& Gas	Corporation	ì	!				
Generator	Location		2H4H W	ELL-LAT414422	031	- LONG	755400.74	W - DIMOCH	TWP - SU	SQUEHANNA CTY
Contact N	lame	Chris Low	/man	}		Cell# 4	112-580-8	3659	Officet	1 412-249-3927
Profile	CAB2	(3-letter	code)			Carrier_		(3-letter co	ode)	Truck# 500
Customer/	Charge To	809	(3-dig	it number)	1	Origin	58	(2-digit nu	mber)	
WASTE				DESCRIPTIO	N O	F WAST	Ε .			PERCENTAGE
801	drilling resi	duals from	natura	gas well drilling	- V	TL EC#2	80344 - 5	/12/2010		100%
	TOTAL PE	RCENTAGE								100%
Generator Cer	tification: I here	y certify that t	he above t	amed material(s) is n	þt ha	tardous was	te as defined	by CFR Part 261	or any applical	ble state
iaw, has been	properly describ	ed and packag	ed and is in	proper condition for	rans	portation ac	cording to ap	piicable regulatio	ns AND if the	waste is a
treatment resi	idue of a previou	sly restricted h	azardous s	vaste subject to the L	ndfil	Disposal Re	estrictioN, 1 ce	ertify and warran	that the wast	e has
been treated i	n accordance wi	th the requiren	nems of the	EFR 268 and is no lon	ger h	azardous as	defined by 41	0 CFR Part 261.	1-12	
			به حــــ			<u> </u>	É	<u></u>	10/0	······································
GENERAT	OR SIGNAT	THE OF C	ERTIFIC	ATION / TITLE	١,,		, ,	^	DATE	
FCZ	- tim	Con		0/5	27	11-	. 7	ا- ص	- 10	
TRANSPO	RTER - DRI	VER SIGN	AFURE	WH# &	MO	IYR EXP	IRATION		DATE	
500	1.10 /				<u> </u>	ļ	~~~		00100000	
	WASTÉ IŃ	<u> </u>	IGNAT		9	(3	CĆEPTE	0-7-10	REJECTED	5:19
WEIGHM	DETER GIEL	ATTIRE		HICEKIST	# `	7	DATE	***	TIME	PIMI
	()				į					
					•					

DIM0227454



... BOX 209, MCELHATTAN, PA 17748 PHONE: 570-769-6977 FAX: 570-769-7366

DATE: 6/2/2010

TICKET: 401762

HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00

TIME: 14:53:37 - 15:28:11

TRUCK: FCI 900

CUSTOMER: 809/CABOT OIL & GAS CORPORATION

FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

GROSS: 71560 LBS Scale

TARE: 37040 LBS Scale

PROFILE: CAB2 2H4H WELL - CABOT OIL & GAS GENERATOR 111/CABOT OIL & GAS CORP

NET: 34520 LBS TONS: 17.26 TNS

GRID: 2993/N 3174.96 E 11051.95 ELE 653.69

COMMENT:

ORIGIN	MATERIALS & SERVICES	PCT QU	ANTITY RATE	AMOUNT
58/SUSQUEHANNA	801C/DRILLING RESIDUALS - C	100	17.26 @ \$35.50 per Ton	\$612.73
			TOTAL FEES:	\$77.68
			TOTAL AMOUNT:	\$690.41

. EES COMPRISED OF THE FOLLOWING:

DISPOSAL/SERVICES;	\$612.73
HOST COMMUNITY FEE: @ \$1.25 PER TON	\$21.58
ENVIRONMENTAL STEWARDSHIP FEE: @ \$0.25 PER TON	\$4.32
HOST COUNTY FEE: @ \$3.00 PER TON	\$51.78

DRIVER: Wed.Jun 2019 08/02/10 18:28.10 OUT OPERATOR: JESSICA - 70953

www.waynetwplandfill.com E-MAIL: ccswa@waynetwplandfill.com

CABOT-EPA 007567

				1					
Wayne To	wnship Lar	ndfill	PADE	P Permit#1009!	55	Residua	Waste Mar	ifest No	
Generator	Name	Cabot Oi	l & Gas	Corporation	ĺ				
Generator L	ocation		2H4H W	ELL-LAT414422.	031	- LONG755400.	74W - DIMOC	K TWP - SUSC	UEHANNA CTY
Contact Na	ame	Chris Lov	vman	ł		Cell# 412-580	-8659	Office# 4	112-249-3927
Profile	CAB2	(3-letter	code)	:	+	Carrier	(3-letter o	ode)	Truck#
Customer/C	Charge To	809	(3-dig	it number)		Origin 58	(2-digit no	ımber)	
WASTE'			 	DESCRIPTION	N O	F WASTE			PERCENTAGE
801	drilling resi	duals from	n naturai	gas well drilling	- V	/TL EC#280344 -	5/12/2010		100%
									
	TOTAL PER	RCENTAG	<u></u>			! !			100%
Generator Certi	ification: I herek	y certify that	the above	amed material(s) is n	at ha	iardous waste as defin	ed by CFR Part 261	l or any applicable	state
iaw, has been p	roperly describ	ed and packag	ged and is in	proper condition for	trans	 portation according to	applicable regular	ions AND if the wa	ste is a
treatment resid	lue of a previou	sly restricted	hazardous v	vaste subject to the La	ndfil	Disposal Restriction, I	certify and warra	nt that the waste h	as
been treated in	accordance wil	th the require	ments of ac	CFR 268 and is no ton	ger la	azardous as defined by	40 CFR Part 261.		
			مكسكم	dra.			&	2-2-30	7/0
GENERATO	OR SIGNAT	RE OL C	ERTIFIC	ATION / TITLE	, ;			DATE	
FCZ	time	Conh		<u> </u>	4	4-11	ے	-2-10	
TRANSPOR	RTER - DRIV	ver sign	ATURE	WH# & !	νq	YR EXPIRATION	N	DATE	
	11/200	A		· · · · · · · · · · · · · · · · · · ·		<u> </u>			
LÄÑDFILL	WASTE IN	PECTOR.	SIGNAT	URE O	71	ACCEPTE	0-1-10	REJECTED	208.
WEIGHMA	STER SIGN	LÄTURF		LICENSE	#	TAT	F	TIME IAM	port)

DIM0227454



A BOX 209, MCELHATTAN, PA 17748 PHONE: 570-769-6977 FAX: 570-769-7366

HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00

TICKET: 401764 DATE: 6/2/2010

TIME: 14:55:14 - 15:30:57

TRUCK: FCI 796

CUSTOMER: 809/CABOT OIL & GAS CORPORATION

FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

GROSS: 71800 LBS Scale

TARE: 36440 LBS Scale

NET: 35360 LBS TONS: 17.68 TNS

PROFILE: CAB2/ 2H4H WELL - CABOT OIL & GAS GENERATOR 111/CABOT OIL & GAS CORP

GRID: 2993/N 3174.96 E 11051.95 ELE 653.69

COMMENT:

MANIFEST: S192287

ORIGIN MATERIALS & SERVICES PCT QUANTITY RATE AMOUNT

58/SUSQUEHANNA 801C/DRILLING RESIDUALS - C 100 17.68 @ \$35.50 per Ton \$627.64

TOTAL FEES: \$79.56
TOTAL AMOUNT: \$707.20

EES COMPRISED OF THE FOLLOWING:

DISPOSAL/SERVICES: \$627.64
HOST COMMUNITY FEE: @ \$1.25 PER TON \$22.10
ENVIRONMENTAL STEWARDSHIP FEE: @ \$0.25 PER TON \$4.42
HOST COUNTY FEE: @ \$3.00 PER TON \$53.04

IN OPERATOR: JESSICA - 70953

DRIVER: Wed Jun 2010 08/02/10 16:30 48 OUT OPERATOR: JESSICA - 70953

www.waynetwplandfill.com E-MAIL: ccswa@waynetwplandfill.com

CABOT-EPA 007569

	-			
Wayne Township Landfill PAD	EP Permit#1009!	55	Residual Waste Manifest No	5192287
Generator Name Cabot Oil & Gas	Corporation			
Generator Location 2H4H	NELL-LAT414422.	D31	- LONG755400.74W - DIMOCK TWP - SU	SQUEHANNA 📆
Contact Name Chris Lowman			Cell# 412-580-8659 Office#	412-249-3927
Profile CAB2 (3-letter code)			Carrier (3-letter code)	Truck# 796
Customer/Charge To 809 (3-di	git number)		Origin 58 (2-digit number)	
WASTE .	DESCRIPTION	N O	F WASTE	PERCENTAGE
801 drilling residuals from natura	gas well drilling	- V	/TL EC#280344 - 5/12/2010	100%
TOTAL PERCENTAGE				100%
Generator Certification: I hereby certify that the above	named material(s) is n	ot ha	eardous waste as defined by CFR Part 251 or any applical	ole state
law, has been properly described and packaged and is	in proper condition for	trans	portation according to applicable regulations AND if the	waste is a
· · · · /	-		Disposal Restriction, I certify and svarrant that the wast	e has
been treated in accordance with the requirements of	CFR 258 and is no lon	ger h	azardous as defined by 40 CFR Part 261.	210
			6,00	40
GENERATOR SIGNATURE OF CERTIFIE	WHO7	11	DATE	1
TRANSPORTER - DRIVER SIGNATURE			/YR EXPIRATION DATE	<u>v</u>
TRANSPORTER - DRIVER SIGNATURE	Wh# &	YEU	/YR EXPIRATION DATE	
LANDFILL WASTE INSPECTOR SIGNA	T IDE		ACCEPTED REJECTED	- 01
LANDRIE WASTE INSPECTOR SIGNA		\mathbb{C}^{0}	ACCEPTED () () REJECTED	3:50
WEIGHMASTER SIGNATURE	LICENSE	#	DATE TIME IAN	DMI)
V	,			

DIM0227454



BOX 209, MCELHATTAN, PA 17748 PHONE: 570-769-6977 FAX: 570-769-7366

HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00

TICKET: 401787 DATE: 6/2/2010

TIME: 16:27:05 - 17:00:09

TRUCK: FCI 797

CUSTOMER: 809/CABOT OIL & GAS CORPORATION

FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

GROSS: 79300 LBS Scale

TARE: 36140 LBS Scale

PROFILE: CAB2/ 2H4H WELL - CABOT OIL & GAS NET: 43160 LBS GENERATOR 111/CABOT OIL & GAS CORP TONS: 21.58 TNS

GRID: 2993/N 3174,96 E 11051.95 ELE 653.69

COMMENT:

MANIFEST: 192381

ORIGIN MATERIALS & SERVICES PCT QUANTITY RATE AMOUNT

58/SUSQUEHANNA 801C/DRILLING RESIDUALS - C 100 21.58 @ \$35.50 per Ton \$766.09

TOTAL FEES: \$97.12
TOTAL AMOUNT: \$863.21

JEES COMPRISED OF THE FOLLOWING:

DISPOSAL/SERVICES: \$766.09
HOST COMMUNITY FEE: @ \$1.25 PER TON \$26.98
ENVIRONMENTAL STEWARDSHIP FEE: @ \$0.25 PER TON \$5.40
HOST COUNTY FEE: @ \$3.00 PER TON \$64.74

IN OPERATOR: JESSICA - 70953

www.waynetwplandfill.com E-MAIL: ccswa@waynetwplandfill.com

CABOT-EPA 007571

						-				
Wayne To	wnship Lai	ndfill	PADE	P Permit#1009	\$ 5	F	Residual	Waste Ma	inifest No	192381
Generator	Name	Cabot Oil	& Gas	Corporation		i				
Generator	Location :		2H4H W	ELL-LAT414422.	03N	- LONG?	755400.74	4W - DIMO	CK TWP - SU	SQUEHANNA CTY
Contact N	ame	Chris Low	/man			Cell# 4	12-580-	8659	Office	# 412-249-3927
Profile	CAB2	(3-letter	code)		(Carrier_		(3-letter	code)	Truck# 797
Customer/	Charge To	809	(3-dig	it number)		Origin	58	(2-digit :	number)	
WASTE				DESCRIPTION	NΟ	F WAST				PERCENTAGE
801	drilling resi	duals from	natural	gas well drilling	٠ ٧	TL EC#2	80344 - 5	/12/2010		100%
	TOTAL PER	RCENTAGE								100%
Generator Cen	ification: I hereb	y certify that t	he above r	amed material(s) is n	ot ha	ardous was	te as defined	by CFR Part 2	61 or any applica	ble state
law, has been i	properly describ	ed and package	ed and is in	proper condition for	rans	portation ac	cording to ag	pplicable regul	ations AND if the	waste is a
treatment resi	due of a previou	sly restricted h	azardors	vaste subject to the La	ndfil	Olsposal Re	strictioN, I c	ertify and wan	ant that the was	te has
been treated in	accordance wit	th the continen	nenia of	CFR 268 and is no fon	ger ly	azardous as	defined by 4	10 CFR Part 251		
	=	5-		2.				<u>6.0</u>)-20[()	<i>-</i>
GENERAT	OR SIGNAT	TRE OF C	PATIFIC	ATION / TITLE					DATE	n
100	200	UF D	will	WH.Z					6-2-10)
TRANSPO	RTER - DRI	VER SIGNA	URE	WH# &	Иa	YR EXP	IRATION		DATE	
1	5/						<u> </u>			
LANDFILL	WASTE IN	SPECTOR S	IGNAT	URE 70	75	3 A	CCEPTED	7-10	REJECTED	5:00
WEIGHM	ASTER SIGN	JATURF		LICENSE	#		DATE		TIME IAN	n / phni)
	\mathcal{O}									

DIM0227454



1 - BOX 209, MCELHATTAN, PA 17748 PHONE: 570-769-6977 FAX: 570-769-7366 HOURS: M-F 7:00 - 4:00 S.7:00 - 12:00

TICKET: 401859 DATE: 6/3/2010

TIME: 09:44:41 - 10:37:10

TRUCK: FCI 777

CUSTOMER: 809/CABOT OIL & GAS CORPORATION

FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

GROSS: 66060 LBS Scale

TARE: 36040 LBS Scale NET: 30020 LBS

PROFILE: CAB2/ 2H4H WELL - CABOT OIL & GAS GENERATOR 111/CABOT OIL & GAS CORP

TONS: 15.01 TNS

GRID: DC2/N 2945.84 E 11264.02 ELE 656.69 COMMENT:

MANIFEST: 157649

ORIGIN PCT QUANTITY RATE AMOUNT MATERIALS & SERVICES 58/SUSQUEHANNA 801/DRILLING RESIDUALS 100 15.01 @ \$29.50 per Ton \$442.80 TOTAL FEES: \$157.60 TOTAL AMOUNT: \$600.40

. EES COMPRISED OF THE FOLLOWING:

DISPOSAL/SERVICES;	\$442,80
HOST COMMUNITY FEE: @ \$1.25 PER TON	\$18.76
PA RECYCLING FEE: @ \$2.00 PER TON	\$30.02
ENVIRONMENTAL STEWARDSHIP FEE: @ \$4.25 PER TON	\$63.79
HOST COUNTY FEE: @ \$3,00 PER TON	\$45.03

IN OPERATOR: JESSICA - 70953

OUT OPERATOR: JESSICA - 70953 DRIVER: Thu Jun 2010 08/03/10 10:37:08

www.waynetwplandfill.com E-MAIL: ccswa@waynetwplandfill.com

CABOT-EPA 007573

Wayne To	wnship L	andfill	PADE	P Permit#1009	\$5 [^]	Residual Waste Manifest No 157649
Generato	r Name	Cabot Oi	l & Gas	Corporation	İ	
Generator	Location		2H4H W	ELL-LAT414422	.03n	N - LONG755400.74W - DIMOCK TWP - SUSQUEHANNA CTY
Contact N	lame	Chris Lov	vman	1		Cell# 412-580-8659 Office# 412-249-3927
Profile	CAB2	(3-letter	code)	İ		Carrier FCI (3-letter code) Truck# 777
Customer/	Charge To	809	(3-dig	rt number)		Origin 58 (2-digit number)
WASTE				DESCRIPTIO	N O	OF WASTE PERCENTAGE
801	drilling re	siduals fron	natura	gas well drilling	٠٧	WTL EC#280344 - 5/12/2010 100%
	TOTAL P	ERCENTAG	Ē			100%
Generator Cen	tification: I he	reby certify that	the above	amed material(s) is n	ot ha	atardous waste as defined by CFR Part 261 or any applicable state
iaw, has been	properly desc	ribed and packag	ed and is in	proper condition for	trans	rsportation according to applicable regulations AND if the waste is a
treatment resi	idue of a previ	ously restricted l	tazardous i	vasta subject to the La	ndfil	Disposal Restriction, I certify and warrant that the waste has
				4/3	ger h	hazardous as defined by 40 CFR Part 261.
GENERAT	OR SIGNA	TUBE OF C	ERTIFIC	ATION/TITLE Wらて	54	4 Ex 1. P. R. 2011 6/3/10
TRANSPO	RTER - DE	IVER SIGN	ATURE	WH# &	MΟ	D/YR EXPIRATION DATE
LANDFILL	WASTE	NSPÉCTÓR.	SIGNAT	URE)4	153 (10-3-10 (10:3)
WEIGHM	ASTER SIC	WATURE	1	LICENSE	tt.	DATE TIME AM PM



FU BOX 209, MCELHATTAN, PA 17748 PHONE: 570-769-6977 FAX: 570-769-7366 HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00

TICKET: 401861 DATE: 6/3/2010

TIME: 09:47:23 - 10:41:04

TRUCK: FCI 797

CUSTOMER: 809/CABOT OIL & GAS CORPORATION

FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

GROSS: 59320 LBS Scale

TARE: 35000 LBS Scale

2H4H WELL - CABOT OIL & GAS PROFILE: CAB2 GENERATOR 111/CABOT OIL & GAS CORP

NET: 24320 LBS

12.16 TNS TONS:

GRID: DC2/N 2945.84 E 11264.02 ELE 656.69 COMMENT:

MANIFEST: 219625

ORIGIN	MATERIALS & SERVICES	•	NTITY RATE	AMOUNT
58/SUSQUEHANNA	801/DRILLING RESIDUALS	100	12.16 @ \$29.50 per Ton	\$358.72
			TOTAL FEES:	\$127.68
			TOTAL AMOUNT:	\$486.40

FEES COMPRISED OF THE FOLLOWING:

DISPOSAL/SERVICES:	\$358.72
HOST COMMUNITY FEE: @ \$1.25 PER TON	\$15.20
PA RECYCLING FEE: @ \$2.00 PER TON	\$24.32
ENVIRONMENTAL STEWARDSHIP FEE: @ \$4.25 PER TON	\$51.68
HOST COUNTY FEE: @ \$3,00 PER TON	\$36.48

IN OPERATOR: JESSICA - 70953

OUT OPERATOR: JESSICA - 70953

www.waynetwplandfill.com E-MAIL: ccswa@waynetwplandfill.com

CABOT-EPA 007575

DIM0228808 DIM0227454

				1	15	1.4	-					-		
Wayne To	wnship La	ndfill	PADE	Permit#1009	55		Residua	l Was	te Ma	nifest	No	219	625	
Generato	r Name	Cabot Oil	l & Gas	Corporation	ļ									
Generator	Location		2H4H W	ELL-LAT414422	1EQ.:	- LONG	755400.	74W -	DIMO	CK TWF	- S US	QUEHA	NNA CTY	
Contact N	lame	Chris Lov	vman			Cell#	412-580	0-865	3	0	ffice#	412-24	19-3927	
Profile	CABZ	(3-letter	code)	{	1	Carrier		(3-	letter	code)		Tru	ck# <u>79</u>	7
Customer/	Charge To	809	(3-dig	it number)		Origin	58	(2-	digit n	umbe	r)			
WASTE				DESCRIPTIO	NO.	F WAS	ΓE					PE	RCENTAG	E
801	drilling res	iduals from	natura	gas well drillin	g - V	TL EC#	280344 -	5/12	/2010					100%
						<u> </u>						L		
	TOTAL PE	RCENTAGE	<u> </u>										1	100%
Generator Cer	tification: I here	by certify that	the above	amed material(s) is	ot ha	ardous w	aste as defin	ed by C	FR Part 26	1 or any a	applicab	le state		
law, has been	property describ	ed and packag	ed and is in	proper condition for	trans	portation .	according to	applica	ble regula	tions ANI	D if the w	vaste is a		
1	-	-		vasta subject to the I	11	y					he wasto	has		
been treated	in accordance wi	th the requirer	nents of 40	CFR 268 MH IS NO 10		azardous a	is defined by	y 40 CFR	Part 251.	ړ-کتر	_5/	2/2		
		B			1.				10~	,	7	- C		
GENERAL		1 1 1		ATION / TITLE		,				DATE	E > ~/			
701		eit &		WHO)								<u></u>		
TRANSPO	RTER - DRI	VER SIGN	ATURE	WH# &	МО	VYR EX	PIRATIO	N		DAT	E			
-2e	11/11/1	40	2		-		Δ							
	WASTE IN	Mil)	SIGNAL	URE 09	5	5	ACCEPT	-3-	10	REJE	CIED) (4		
IWFIGHM	ASTER SIGI	WATURE		LICENS	##		DAT	F		TIME	(DW	/ PMI		
		()			į							,		

DIM0227454



PO BOX 209, MCELHATTAN, PA 17748 PHONE: 570-769-6977 FAX: 570-769-7366 HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00 TICKET: 401882 DATE: 6/3/2010

TIME: 10:40:20 - 11:29:09

TRUCK: ETGI 269

CUSTOMER: 809/CABOT OIL & GAS CORPORATION

FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

GROSS: 69840 LBS Scale

TARE: 37160 LBS Scale NET: 32680 LBS

PROFILE: CAB2 2H4H WELL - CABOT OIL & GAS NET: GENERATOR 111/CABOT OIL & GAS CORP TONS:

ATOR 111/CĀBOT OIL & GAS CORP TONS: 16,34 TNS GRID: DC2/N 2945,84 E 11264,02 ELE 656,69

COMMENT:

ORIGIN	MATERIALS & SERVICES	PCT QU	JANTITY RATE	AMOUNT
58/SUSQUEHANNA	801/DRILLING RESIDUALS	100	16,34 @ \$29.50 per Ton	\$482,03
			TOTAL FEES:	\$171.58
-			TOTAL AMOUNT:	\$653.61

FEES COMPRISED OF THE FOLLOWING:

DISPOSAL/SERVICES;	\$482.03
HOST COMMUNITY FEE: @ \$1.25 PER TON	\$20.43
PA RECYCLING FEE: @ \$2.00 PER TON	\$32.68
ENVIRONMENTAL STEWARDSHIP FEE: @ \$4.25 PER TON	\$69.45
HOST COUNTY FEE: @ \$3.00 PER TON	\$49.02

	IN	OPERATOR:	JESSICA	- 70953
--	----	-----------	---------	---------

DRIVER: Thu Jun 2010 00/03/10 11:20 07 OUT OPERATOR: JESSICA - 70953

www.waynetwplandfill.com E-MAIL: ccswa@waynetwplandfill.com

CABOT-EPA 007577

Wayne To	wnship La	ndfill	PADEP Permit#10	10955 R	esidua	l Waste Manifest No	
Generato	r Name	Cabot Oi	l & Gas Corporation				
Generator	Location		2H4H WELL-LAT4144	122.03N - LONG7	55400.	74W - DIMOCK TWP - SU	SQUEHANNA CTY
Contact N	lame	Chris Lov	vinan	Cell# 4	12-580	-8659 Office	412-249-3927
Profile	CAB2	(3-letter	code)	Carrier		(3-letter code)	Truck# 269
Customer/	Charge To	809	(3-digit number)	Origin	58	(2-digit number)	
WASTE			DESCRIPT	TON OF WASTE			PERCENTAGE
801	drilling res	iduals from	ı natural gas well dril	ling - WTL EC#28	0344 -	5/12/2010	100%
	TOTAL PE	RCENTAG	Ē				100%
ļ		ith the require	ratargoù) waste subject to t ments of 40 CFR 265 and is m			certify and warrant that the wast 40 CFR Part 241.	
GENERAL			ERTIFICATION / TIT		2011	DATE 6-3-	10
TRANSPO	RTER DRI	VER SIGN	ATURE WH#	& MO/YR EXPI	RATIO	N DATE	Managatarapan Manajar - para - paga - panilahan y yang - paga
	/	MA	SIGNATURE	7477	CEPTE	D. 3. REJECTED	11:29
IWEIGHM	ASTER SIG	MATIER	៖ (ពត់)	VSF#	DAT	F TIMPIAN	this V



FO BOX 209, MCELHATTAN, PA 17748 PHONE: 570-769-6977 FAX: 570-769-7366 HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00 TICKET: 401884 DATE: 6/3/2010

TIME: 10:34:32 - 11:32:46

TRUCK: ETGI 274

CUSTOMER: 809/CABOT OIL & GAS CORPORATION

FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

GROSS: 64680 LBS Scale

TARE: 43200 LBS Scale

PROFILE: CAB2 244H WELL - CABOT OIL & GAS NET: 21480 LBS
GENERATOR 111/CABOT OIL & GAS CORP TONS: 10.74 TNS

GRID: DC2/N 2945.84 E 11264.02 ELE 656.69

COMMENT:

ORIGIN	MATERIALS & SERVICES	PCT Q	JANTITY RATE	AMOUNT
58/SUSQUEHANNA	801/DRILLING RESIDUALS	100	10.74 @ \$29,50 per Ton	\$316,83
			TOTAL FEES:	\$112.78
			TOTAL AMOUNT:	\$429.61

FEES COMPRISED OF THE FOLLOWING:

DISPOSAL/SERVICES:	\$316.83
HOST COMMUNITY FEE; @ \$1.25 PER TON	\$13.43
PA RECYCLING FEE: @ \$2.00 PER TON	\$21.48
ENVIRONMENTAL STEWARDSHIP FEE: @ \$4.25 PER TON	\$45.65
HOST COUNTY FEE: @ \$3,00 PER TON	\$32.22

IN OPERATOR: JESSICA - 70953

DRIVER: Thu Jun 2010 08/03/10 11:32:46 OUT OPERATOR: JESSICA - 70953

www.waynetwplandfill.com E-MAIL; ccswa@waynetwplandfill.com

CABOT-EPA 007579

Wayne T	ownship La	ndfill	PADEP Permit#1009	\$5 Resi	idual Waste M	lanifest No	
Generate	or Name	Cabot O	1 & Gas Corporation				
Generato	Location		2H4H WELL-LAT414422	.03N - LONG755	400.74W - DIM	OCK TWP - SUS	QUEHANNA CTY
Contact I	Vame	Chris Lo	wman	Cell# 412	-580-8659	Office#	412-249-3927
Profile	CAB2	(3-letter	code)	Carrier	(3-lette	r code)	Truck# 274
Customer	/Charge To	809	(3-digit number)	Origin	58 (2-digit	number)	
WASTE			DESCRIPTIO	N OF WASTE			PERCENTAGE
801	drilling res	iduals from	n natural gas well drilling	- WTL EC#2803	44 - 5/12/2010)	100%
						}	
	TOTAL PE	RCENTAG	E				100%
		-	the above named material(s) is n ged and ty in proper condition for				
			hazardous waste subject in the ti				
		•	ments of 40 LFR 268 and is no ion				
	Fames	/					
GENERA			ESTIFICATION / TITLE	1451	FEB-2011	DATE	****** *** ** als and **. ******** . ********
FA		(m) (c	kulu-	(240)	. ep 211	6-3	-10
TRANSPO	ORTER - DRI	VER SIGN	ATURE WH#&	MO/YR EXPIRA	TION	DATE	4.3~£
Se	t &A/a	1			×		
LANDFIL	L WASTEIN	PECTOR	SIGNATURE O	7 CZ ACC	EPTED 2	REJECTED	1(:3)
	ASTER SIGI	Me)			$-(\nu^{-})^{-}$	10	1,00
WILLIAM TO THE			LICENSE	. n	DATE	TIME (LAM)	1 0000



PHONE: 570-769-6977 FAX: 570-769-7366 HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00 TICKET: 401885 DATE: 6/3/2010

TIME: 10:42:54 - 11:35:52

TONS:

TRUCK: ETGI 252

CUSTOMER: 809/CABOT OIL & GAS CORPORATION

FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

GROSS: 73760 LBS Scale

TARE: 41180 LBS Scale NET: 32580 LBS

16.29 TNS

PROFILE: CAB2 244H WELL - CABOT OIL & GAS GENERATOR 111/CABOT OIL & GAS CORP

GRID: DC2/N 2945.84 E 11264.02 ELE 656.69

COMMENT:

ORIGIN	MATERIALS & SERVICES	•	UANTITY RATE	AMOUNT
58/SUSQUEHANNA	801/DRILLING RESIDUALS	100	16.29 @ \$29.50 per Ton	\$480.56
			TOTAL FEES:	\$17 1.04
			TOTAL AMOUNT:	\$651.60

FEES COMPRISED OF THE FOLLOWING:

DISPOSAL/SERVICES:	\$480.56
HOST COMMUNITY FEE; @ \$1.25 PER TON	\$20.36
PA RECYCLING FEE: @ \$2.00 PER TON	\$32.58
ENVIRONMENTAL STEWARDSHIP FEE: @ \$4.25 PER TON	\$69.23
HOST COUNTY FEE: @ \$3,00 PER TON	\$48.87

IN OPERATOR: JESSICA - 70953

DRIVER: Thu Jan 2010 DEJO3/10 11 35 61 OUT OPERATOR: JESSICA - 70953

www.waynetwplandfill.com E-MAIL: ccswa@waynetwplandfill.com

CABOT-EPA 007581

Wayne To	wnship La	ndfill	PADEP Pern	nit#100955	R	esidual	Waste Ma	nifest No		
Generato	r Nar te	Cabot Oi	& Gas Corpo	ration						
Generator	Location		2H4H WELL-LA	T414422.03	N - LONG7	55400.7	4W - DIMO	CK TWP - SU	JSQUEF	IANNA CTY
Contact N	iame	Chris Lov	vman		Cell# 4:	12-580-	-8659	Office	# 412-	249-3927
Profile	CAB2	(3-letter	code)		Carrier		(3-letter	code)	Ţı	ruck# 752
Customer/	Charge To	809	(3-digit num	nber)	Origin	58	(2-digit r	number)		
WASTE	;		DES	CRIPTION C	F WASTE				P	ERCENTAGE
801	drilling res	iduals fron	natural gas w	ell drilling - V	NTL EC#28	0344 - 3	5/12/2010		-	100%
									1	
	TOTAL PE	RCENTAGE	-							100%
		-	rezardous waste sub nemis of 40 CFR 268	•					te hat	
GENERAT	DR SIGNAT	FURE OF C	ERTIFICATION	/ TITLE				DATE	~~~ `	
TRANSPO	RTER - DRI	_	ATURE CVe19#	WH# & MC	D/YR EXPI	RATION	·	DATE	6/	3/10
	WASTE IN	$-\Delta \Omega$	GIGNATURE	1)CENSER	153 AC	CEPTE	1-3-10	REJECTED		:35
Set	Mar			1112 18 17 14		171417	•	· · · · · · · · · · · · · · · · · · ·		•



FU BOX 209, MCELHATTAN, PA 17748 PHONE: 570-769-6977 FAX: 570-769-7366 HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00

TICKET: 401887 DATE: 6/3/2010

TIME: 10:54:26 - 11:40:49

TRUCK: FCI 777

ORIGIN

CUSTOMER: 809/CABOT OIL & GAS CORPORATION

FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

81140 LBS Scale GROSS:

TARE: 35880 LBS Scale

PROFILE: CAB2/ 2H4H WELL - CABOT OIL & GAS

NET: 45260 LBS

GENERATOR 111/CABOT OIL & GAS CORP

TONS: 22.63 TNS

GRID: DC2/N 2945.84 E 11264.02 ELE 656.69

MANIFEST: 192382

COMMENT:

PCT QUANTITY RATE MATERIALS & SERVICES

AMOUNT

801/DRILLING RESIDUALS 100 22.63 @ \$29.50 per Ton 58/SUSQUEHANNA \$667.59

> TOTAL FEES: \$237.62

TOTAL AMOUNT: \$905.21

FEES COMPRISED OF THE FOLLOWING:

DISPOSAL/SERVICES: \$667.59 HOST COMMUNITY FEE: @ \$1.25 PER TON \$28.29 PA RECYCLING FEE; @ \$2,00 PER TON \$45.26 ENVIRONMENTAL STEWARDSHIP FEE: @ \$4.25 PER TON \$96.18 HOST COUNTY FEE: @ \$3.00 PER TON \$67.89

IN OPERATOR: JESSICA - 70953

OUT OPERATOR: JESSICA - 70953

www.waynetwplandfill.com E-MAIL: ccswa@waynetwplandfill.com

CABOT-EPA 007583

				!	1.1								
				:		1							
Wayne To	ownship La	ndfill	PADE	P Permit#1009	55	 	Residua	Wa	ste Mai	ifest No	o ,	192382	_
Generato	-		& Gas	Corporation		i					•		
Generator	Location		2H4H W	ELL-LAT414422	.031	- LONG	755400.7	74W	- DIMO	K TWP -	SUS	QUEHANNA CTY	
Contact N	lame	Chris Lov	vman	}			580-412				ice#	412-249-3927	
Profile	CAB2	(3-letter	code)			Carrier	FC1	_ {3	-letter (code)		Truck# 777	7
Customer	Charge To	809	(3-dig	it number)		Origin	58	(2	-digit n	umber)			
WASTE				DESCRIPTIO	N O	F WAST	E					PERCENTAGE	
801	drilling res	iduals fron	natura	gas well drillin	g - V	TL EC#2	80344 -	5/12	/2010			10	00%
						!							
	TOTAL PE	RCENTAG	E								l	10	10%
Generator Ce	rtification: I here	by certify that	the above :	amed material(s) is r	opt ha	zardous wa	iste as defin	ed by C	FR Part 25	I or any app	plicable	state	
law, has been	properly descri	ed and packag	ged and is in	proper condition for	rans	portation a	ccording to	apphea	able regulat	ions AND if	the w	aste is a	•
•				vaste subject to the	,	!				nt that the	waste:	has	
been treated	in accordance w	ith the require	ments of 40	268 and is pollo	Seer h	azardous a	s defined by	40 CFF	R Part 261.	- . ¬	_		
			/	res	12	:				2 60	_	3/0	
GENERAT	FOR SIGNAT	TURE OF C	ERTIFIC	ATION / TITLE	b.	759 £	<i>ŧ-11</i>		,	DATE) ~ ,	10	
TRANSPO	DRTER_DRI	VER SIGN	ATURE	WH# R	MO	YR FX	PIRATIO	N		DATE			
MAR	c Sn	سوکے کا	~	1111111									
	L WASTE IN	V Mrc	SIGNAT	URE (C	53	ACCEPTE	D - (3-l	REJECT	TEP	11:40	
MEIGHN	ASTER SIG	VATURE		LICENS	F#		DAT	F		TIME !	MA	Phil	
Sez	h/h/m		- 4	\prec							_/		

DIM0227454



1 JOX 209, MCELHATTAN, PA 17748 PHONE: 570-769-6977 FAX: 570-769-7366

HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00

TICKET: 402001 DATE: 6/4/2010

TIME: 07:21:10 - 08:03:48

TRUCK: FCI 797

CUSTOMER: 809/CABOT OIL & GAS CORPORATION

FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

GROSS: 73620 LBS Scale

TARE: 36500 LBS Scale

NET: 37120 LBS TONS: 18.56 TNS

PROFILE: CAB2 244H WELL - CABOT OIL & GAS GENERATOR 111/CABOT OIL & GAS CORP

GRID: DC2/N 2945.84 E 11264.02 ELE 656.69

COMMENT:

MANIFEST: 219626

ORIGIN	MATERIALS & SERVICES	PCT Q	JANTITY RATE	AMOUNT
58/SUSQUEHANNA	801/DRILLING RESIDUALS	100	18.56 @ \$29.50 per Ton	\$547.52
			TOTAL FEES:	\$194.88
			TOTAL AMOUNT:	\$742.40

ZES COMPRISED OF THE FOLLOWING:

DISPOSAL/SERVICES:	\$547.52
HOST COMMUNITY FEE: @ \$1.25 PER TON	\$23.20
PA RECYCLING FEE: @ \$2.00 PER TON	\$37.12
ENVIRONMENTAL STEWARDSHIP FEE: @ \$4.25 PER TON	\$78.88
HOST COUNTY FEE: @ \$3.00 PER TON	\$55.68

IN OPERATOR: JESSICA - 70953

DRIVER: Fri Jun 2010 08/04/10 08 03 47 OUT OPERATOR: JESSICA - 70953

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CABOT-EPA 007585

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Wayne To	ownship La	ndfill	PADE	P Permit#100	955		Residual	Waste	Manifest No	2	19626
Generato	r Name	Cabot Oi	& Gas	Corporation	1	}					
Generator	Location		2H4H W	ELL-LAT41442	2.031	- LONG	755400.7	74W - DII	MOCK TWP -	susqu	JEHANNA CTY
Contact i	Vame	Chris Lov	wman		-	Cell#	412-580	-8659	Offi	ce# 41	12-249-3927
Profile	CAB2	(3-letter	code)	ļ		Carrier		(3-let	ter code)		Truck# 797
Customer	/Charge To	809	(3-dig	it number)	1	Origin	58	(2-dig	(it number)		
WASTE	T			DESCRIPTION	ONO	F WAST	E				PERCENTAGE
801	drilling res	iduals fron	n natura	gas well drillin	ıg - V	VTL EC#2	80344 -	5/12/20	10		100%
						i					
	TOTAL PE	RCENTAG	E								100%
Generator Ce	rtification: I here	by certify that	the above	amed maserial(s) is	not ha	tardous wa	ste as define	ed by CFR Pa	ert 261 or any app	licable st	ate
law, has been	properly descri	bed and packag	ged and is in	proper condition fo	e trans	portation a	cording to	applicable r	egulations AND if	the wast	e is a
treatment res	sidue of a previo	usly restricted	hazardous v	vaste subject to the	Landfil	Dispusal R	estrictioN, I	certify and	warrant that the u	waste has	•
been treated	in accordance w	ith the require	ments of all	CFR 268 and is no so	7	azzroous as	defined by	40 CFR Part		2	י באו שיו
CENTER AS	TOO CICK	205.05.0		ATION ITITUE	100						
GENERAL	- ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	U 15 C	2	ATION / TITLE	1.	ه رسر	;		DATE	_ 12	,
194	X&		que		40		-خ		<u>6-3</u>	-10	<i>,</i>
TRANSPO	DRTÉR - DR	IVER SIGN	ATURE	WH# 8	MO	YR EXP	IRATIO	V.	DATE		
50	ZS[(1)	dela		-							
LANDFILI	L WASTEIN	SPECTOR:	SIGNAT	URE)(19	53	CCERTE	D-4-	10 REJECT	ED (R:03
WEIGHN	ASTER SAG	NATURE	1	LICENS	,F#		DAT	F	TIME	AM A	ומוכ
	Ü				į				(ار	



. .OX 209, MCELHATTAN, PA 17748 PHONE: 570-769-6977 FAX: 570-769-7366

HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00

TICKET: 402004 DATE: 6/4/2010

TIME: 07:22:54 - 08:08:42

TONS:

TRUCK: FCI 777

CUSTOMER: 809/CABOT OIL & GAS CORPORATION

FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

GROSS: 65320 LBS Scale
TARE: 36000 LBS Scale
NET: 29320 LBS

14.66 TNS

PROFILE: CAB2 2H4H WELL - CABOT OIL & GAS GENERATOR 111/CABOT OIL & GAS CORP

GRID: DC2/N 2945.84 E 11264.02 ELE 656.69

COMMENT:

MANIFEST: 157648

ORIGIN	MATERIALS & SERVICES	•	JANTITY RATE	AMOUNT
58/SUSQUEHANNA	801/DRILLING RESIDUALS	100	14.66 @ \$29.50 per Ton	\$432.47
			TOTAL FEES:	\$153.94
			TOTAL AMOUNT	\$586.41

ZES COMPRISED OF THE FOLLOWING:

DISPOSAL/SERVICES:	\$432.47
HOST COMMUNITY FEE: @ \$1.25 PER TON	\$18.33
PA RECYCLING FEE: @ \$2,00 PER TON	\$29.32
ENVIRONMENTAL STEWARDSHIP FEE: @ \$4.25 PER TON	\$62.3 1
HOST COUNTY FEE: @ \$3,00 PER TON	\$43.98

IN OPERATOR: JESSICA - 70953

DRIVER: Fri Jun 2010 08/04/10 08/08/41 OUT OPERATOR: JESSICA - 70953

www.waynetwplandfill.com E-MAIL: ccswa@waynetwplandfill.com

CABOT-EPA 007587

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Wayne T	ownship La	ndfill	PADE	Permit#1009	\$5	Residual Waste Manifest No 157648
Generato	r Name	Cabot Oil	l & Gas	Corporation	}	
Generator	r Location		2H4H W	ELL-LAT414422.	031	N - LONG755400.74W - DIMOCK TWP - SUSQUEHANNA CTY
Contact I	Vame	Chris Lov	vman		•	Cell# 412-580-8659 Office# 412-249-3927
Profile	CAB2	(3-letter	code)			Carrier FEL (3-letter code) Truck# 77 7
Customer	/Charge To	809	(3-dig	ît number)		Origin 58 (2-digit number)
WASTE				DESCRIPTION	NO	OF WASTE PERCENTAGE
801	drilling res	iduals from	natura	gas well drilling	٠٧	WTL EC#280344 - 5/12/2010 100%
	TOTAL PE	PCENTAGE		 	ļ	100%
law, has been treatment res been treated	n properly describ sidue of a previou in accordance wi	red and packag usly restricted h th the requirer	ed and is in nazardous v ments of 40	proper condition for wasta subject to the La CFR 208 and 12 so ion	ndfi)	nabardous waste as defined by CFR Part 261 or any applicable state proportion according to applicable regulations AND if the waste is a proportion of the waste in a proportion of the waste
W.	TOR SIGNAT	URE OF C	ERPIFIC	ATION / TITLE るえ	54	4-4/11 BATE/3/10
TRANSPO	ORTER - DRI	VER SIGN	ATURE	WH# &	MO	D/YR EXPIRATION DATE
	L WASTE IN	mo	SIGNAT	' /(9	3 ACCEPTED 4-10 REJECTED 8:08
IWEIGHN	MASTER SIGI	VATURE	,	LICENS	#	DATE TIME (AM / AM)



HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00

TICKET: 402065 DATE: 6/4/2010

TIME: 09:40:52 - 10:14:53

TRUCK: FCI 900

CUSTOMER: 809/CABOT OIL & GAS CORPORATION

FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

GROSS: 71400 LBS Scale

TARE: 37320 LBS Scale

PROFILE: CAB2 2H4H WELL - CABOT OIL & GAS

NET: TONS:

GENERATOR 111/CABOT OIL & GAS CORP

34080 LBS 17.04 TNS

GRID: DC2/N 2945.84 E 11264.02 ELE 656.69

COMMENT:

MANIFEST: S192199

ORIGIN	MATERIALS & SERVICES	PCT QUAT	NTITY RATE	AMOUNT
58/SUSQUEHANNA	801/DRILLING RESIDUALS	100	17.04 @ \$29.50 per Ton	\$502.68
			TOTAL FEES:	\$178.92
			TOTAL AMOUNT:	\$681.60

EES COMPRISED OF THE FOLLOWING:

DISPOSAL/SERVICES:	\$502.68
HOST COMMUNITY FEE: @ \$1.25 PER TON	\$21.30
PA RECYCLING FEE; @ \$2.00 PER TON	\$34.08
ENVIRONMENTAL STEWARDSHIP FEE: @ \$4.25 PER TON	\$72.42
HOST COUNTY FEE: @ \$3,00 PER TON	\$51.12

IN OPERATOR: JESSICA - 70953

OUT OPERATOR: JESSICA - 70953 DRIVER: Fri Jun 2010 06/04/16 10:14:52

www.waynetwplandfill.com E-MAIL: ccswa@waynetwplandfill.com

CABOT-EPA 007589

DIM0228822 DIM0227454

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Wayne To	wnship La	ndfill	PADE	Permit#1009	5 5				Manifest	No	S192199
Generato	-		l & Gas	Corporation		İ					
Generator	Location		2H4H W	ELL-LAT414422.	150	- LONG	755400.7	74W - DI	MOCK TW	P - SUS	QUEHANNA CTY
Contact N	lame	Chris Lov	vman			Cell# 4	12-580	-8659	C)ffice#	412-249-3927
Profile	CAB2	(3-letter	code)	İ	١,	Carrier		(3-let	ter code)		Truck# 900
Customer/	Charge To	809	(3-dig	it number)		Origin	58	(2-dig	git numbe	er)	
WASTE				DESCRIPTIO	ΝO	F WAST	=				PERCENTAGE
801	drilling res	iduals fron	natura	gas well drilling	- V	TL EC#2	80344 -	5/12/20	10		100%
	TOTAL PE	RCENTAG	E	L							100%
Generator Cer	tification: I here	by certify that	the above	named material(s) is n	ot ba	ardous was	te as defin	ed by CFR P	art 261 or any	applicab	le state
law, has been	properly describ	ped and packag	ged and is in	proper condition for	ans	portation ac	cording to	applicable r	regulations AN	ID if the w	raste is a
l	•			vaste subject to the La	1			-		the waste	has
been treated i	in accordance w	th the require	ments of	CFR 2618 and is no lon	ger h	azardous as	defined by	_		•	
			1	7		!		-/2	DAT	<u> </u>	<i>[</i>
FC		TORE OF C	kriific 1	ATION / TITLE	١.	, ,	,,	_	,	-	1
		. Const	700	<u> </u>	-	1000 500	-/(10	
I RANSPO	RTER DRI	VER SIGN	AIURE	WH# &	IVIO	YYK EXP	IKAHUI	N	DA	i E	,
LANDSH	WASTE IN	CACCTON	COLOT	-	_	<u>. </u>	_X		OF.		
		XVY	PIGIVAI	JRE /) ()	15	3	CCEPTE	D-L	- / (C)	CTED	10:17
WEIGHM	ASTER SIG	NATURE		LICENSI	#		DAT	ř	TIM	F IAM	//DM)
		\mathcal{C}									•



HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00

TICKET: 402085 DATE: 6/4/2010

TIME: 10:28:46 - 10:57:47

TRUCK: FCI900

CUSTOMER: 809/CABOT OIL & GAS CORPORATION

FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

GROSS: 64880 LBS Scale

TARE: 36160 LBS Scale NET: 28720 LBS

PROFILE: CAB2/ 2H4H WELL - CABOT OIL & GAS

GENERATOR 111/CABOT OIL & GAS CORP

TONS: 14.36 TNS

GRID: DC2/N 2945.84 E 11264.02 ELE 656.69

COMMENT:

MANIFEST: S192198

ORIGIN	MATERIALS & SERVICES	PCT QUANTITY RATE		AMOUNT
58/SUSQUEHANNA	801/DRILLING RESIDUALS	100	14.36 @ \$29.50 per Ton	\$423.62
			TOTAL FEES:	\$150.78
			TOTAL AMOUNT:	\$574.40

EES COMPRISED OF THE FOLLOWING:

DISPOSAL/SERVICES:	\$423.62
HOST COMMUNITY FEE: @ \$1.25 PER TON	\$17.95
PA RECYCLING FEE: @ \$2.00 PER TON	\$28.72
ENVIRONMENTAL STEWARDSHIP FEE: @ \$4.25 PER TON	\$61.03
HOST COUNTY FEE: @ \$3.00 PER TON	\$43.08

IN OPERATOR: JESSICA - 70953

DRIVER: Fri Jun 2010 06/04/10 10:57.44 **OUT OPERATOR: JESSICA - 70953**

www.waynetwplandfill.com E-MAIL: ccswa@waynetwplandfill.com

CABOT-EPA 007591

DIM0228824 DIM0227454

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				1				Ba	x -947	D
Wayne To	wnship La	ndfill	PADS	PPermit#1009	55		Residual	Waste M	anifest No	5192198
Generato	r Name	Cabot Oil	& Gas	Corporation	Į	1				
Generator	Location		2H4H V	ELL-LAT414422	120.	- LONG	755400.7	4W - DIM	OCK TWP - SU	SQUEHANNA CTY
Contact N	lame	Chris Low	man	}	1	Cell#	412-580-	8659	Office	# 412-249-3927
Profile	CAB2	(3-letter	code)			Carrier		_(3-lette	r code)	Truck# 900
Customer/	Charge To	809	(3-dig	it number)		Origin	58	(2-dîgit	number)	
WASTE				DESCRIPTIO	N O	F WAS	TE			PERCENTAGE
801	drilling res	iduals from	natura	gas well drilling	- V	ITL ECH	280344 - 5	5/12/2010		1009
	TOTAL PE	RCENTAGE		ļ		!				100%
Generator Cer	tification: I here	by certify that t	he above i	amed material(s) is n	bt ha	tardous wa	aste as define	d by CFR Part	261 or any applica	ble «tate
law, has been	properly describ	ed and package	ed and is ic	proper condition for	trans	portation a	according to a	pp!icable regu	ilations AND if the	warte is a
			-	asta subject to the 1:	(te has
been treated	n accordance wi	ith the requirem	en of al	CFR Saland is no lor	ger h	azardous a	s defined by 4	40 CFR Part 26	6-5	-2010 -10
GENERAT	OR SIGNAT			ATION / TITLE					DATE	
FCZ	- Tin	Pont	200	J 075	4	4/ -	- /1		6-3-	-/6
TRANSPO	RTER - DRI	VER SIGNA	TURE	& #HW	MO	/YR EX	PIRATION	i	DATE	
Sez	LM	Ma	2							
LANDFILL	WASTE IN	SPECTOR'S	IGNAT	URE NO		3	ACCEPTE	9-4-	16 REJECTED	10:58
WEIGHM	ASTER SIGI	NATURE	1	LICENSI	#		DATE		TIMF (AN	/ PMI



TICKET: 402205 DATE: 6/4/2010

HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00

TIME: 14:38:16 - 15:28:13

TRUCK: FCI 797

CUSTOMER: 809/CABOT OIL & GAS CORPORATION

FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

GROSS: 72520 LBS Scale

TARE: 35880 LBS Scale NET: 36640 LBS

PROFILE: CAB2 2H4H WELL - CABOT OIL & GAS GENERATOR 111/CABOT OIL & GAS CORP

18.32 TNS TONS:

COMMENT:

GRID: 2996/N 2957.87 E 11139.61 ELE 659.05

MANIFEST: 219627

ORIGIN **MATERIALS & SERVICES** PCT QUANTITY RATE **AMOUNT** 58/SUSQUEHANNA 801C/DRILLING RESIDUALS - C 100 18.32 @ \$35.50 per Ton \$650.36 TOTAL FEES: \$82.44

TOTAL AMOUNT: \$732.80

JEES COMPRISED OF THE FOLLOWING:

DISPOSAL/SERVICES: \$650.36 HOST COMMUNITY FEE: @ \$1.25 PER TON \$22.90 ENVIRONMENTAL STEWARDSHIP FEE; @ \$0.25 PER TON \$4.58 HOST COUNTY FEE: @ \$3.00 PER TON \$54.96

IN OPERATOR: JESSICA - 70953

DRIVER: __FH.Jun 2010 08/04/10 15:28:13

OUT OPERATOR: JESSICA - 70953

www.waynetwplandfill.com E-MAIL: ccswa@waynetwplandfill.com

CABOT-EPA 007593

				1	Ι.	1					
Wayne To	wnship La	ndfill	PADE	Permit#100	955	 	Residual	Waste Ma	enifest No	219	627
Generato	•			Corporation	1		.,			28	262
Generator				ELL-LAT41442	2.031	- LONG	755400.74	4W - DIMO	CK TWP - !	SUSQUEHAN	NA CTY
Contact N		Chris Lov				1	412-580-			e# 412-249	
Profile	CABZ	(3-letter	code)	-	Ì	Carrier		(3-letter	code)	Truck	# 797
Customer/	Charge To	809	(3-dig	it number)		Origin	58	2-digit	number)		
WASTE	[DESCRIPTION	ON C	F WAST	E		~ ~~~	PER	CENTAGE
801 (drilling res	iduals from	natura	gas well drillir	1g - 1	VTL EC#2	80344 - 5	/12/2010			100%
					Τ	1					
	TOTAL PE	RCENTAGE	Ē .		1						100%
Generator Cer	tification: I here	by certify that	the above :	amed material(s) is	not ha	ardous was	te as defined	by CFR Part 2	61 or any appl	icable state	
law, has been	properly descrit	ed and packag	ed and is id	proper condition fo	rkran	portation ac	cording to as	opiicable regul	ations AND if t	he waste is a	
treatment resi	due of a previo	usly restricted h	razardous	raste subject to the	Gndfi	Disposal Re	estriction, 1 ca	ertify and wan	rant that the w	aste has	
been treated i	n accordance w	ith the requiren	nents at 4d	CER 28 and in no lo	nger t	azardous as	defined by 4	O CFR Part 261	<u>.</u>	_	
			-	Jan	2-	<u> </u>			-400	2010	
GENERAT	OR SIGNAT	UBF OF C	ERFIC	ATION / TITLE	١.				DATE		
PCI	10	bet i	1746	es u	1//2	755	75-	11	6-	4-10	
TRANSPO	RTER - DRI	VER SIGNA	ATURE	WH# &	MC	JYR EXP	IRATION		DATE		
200	2006	de.	-		_	<u> </u>	_×_				
LANDFILL	WASTE IN	SPECTORS	SIGNAT	URE TO	25	3 4	CCEPTED	-4-1	REJECTI	D-3.	39
WEIGHM.	ASTER SIGI	VATURE		LICENS	F#	i	DATE		TIME (IN JOMI	<u> </u>



HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00

TICKET: 402210 DATE: 6/4/2010

TIME: 14:41:46 - 15:34:36

TRUCK: FCI 777

CUSTOMER: 809/CABOT OIL & GAS CORPORATION

FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

GROSS: 67600 LBS Scale

TARE: 35660 LBS Scale NET: 31940 LBS

PROFILE: CAB2 2H4H WELL - CABOT OIL & GAS

GENERATOR 111/CABOT OIL & GAS CORP

GRID: DC2/N 2945.84 E 11264.02 ELE 656.69

COMMENT:

MANIFEST: 157646

TONS: 15.97 TNS

ORIGIN	MATERIALS & SERVICES	PCT QU	JANTITY RATE	AMOUNT
58/SUSQUEHANNA	801/DRILLING RESIDUALS	100	15.97 @ \$29.50 per Ton	\$471.12
			TOTAL FEES:	\$167.68
			TOTAL AMOUNT:	\$638.80

YEES COMPRISED OF THE FOLLOWING:

DISPOSAL/SERVICES:	\$471.12
HOST COMMUNITY FEE: @ \$1.25 PER TON	\$19.96
PA RECYCLING FEE: @ \$2.00 PER TON	\$31.94
ENVIRONMENTAL STEWARDSHIP FEE: @ \$4.25 PER TON	\$67.87
HOST COUNTY FEE: @ \$3.00 PER TON	\$47.91

IN OPERATOR: JESSICA - 70953

CABOT-EPA 007595

DRIVER: Fri Jun 2010 08/04/30 15 34 35 OUT OPERATOR; JESSICA - 70953

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Wayne Towns	nip Landfill	PADE	Permit#1009	\$5	Residual Waste	: Manifest No	157646
Generator Nar	ne Cabot	Oil & Gas	Corporation		!		
Generator Locat	ion	2H4H W	ELL-LAT414422.	031	- LONG755400.74W - D	IMOCK TW/P - SU	SQUEHANNA CTY
Contact Name	Chris I	owman	-	ļ	Cell# 412-580-8659	Office	412-249-3927
Profile C	AB2 (3-lett	er code)		1	Carrier FCI (3-le	tter code)	Truck# 777
Customer/Char	ge To 80	9 (3-dig	it number)		Origin 58 (2-di	git number)	
WASTE 1			DESCRIPTION	ΝO	F WASTE		PERCENTAGE
801 · Jrilli	ng residuals fr	om natura	gas well drilling	- W	TL EC#280344 - 5/12/20	010	100
701	AL PERCENTA	AGE .					100
Generator Certification	n: I hereby certify t	hat the above	amed material(s) is n	pt ha	ardous waste as defined by CFR i	ert 261 or any applica	ble state
law, has been proper	ly described and pa	ckaged and is in	proper condition for	rans	portation according to applicable	regulations AND if the	waste is a
treatment residue of	a previously restrict	ted hazardous	aste subject to the C	ndfil	Disposal Restriction, I certify and	warrant that the was	te has
been treated in accor	dance with the regi	uiremente 1	CFR 268 and is no ton	ger h	azardous as defined by 40 CFR Par	1 261.	
	() #		Rya	_		6-90	2/O
GENERATOR'S	IGNATURE O	CERTIFIC		, j	1,1,	DATE	
Miller 1	-)m/		0754	\angle	9/11	6/9	
TRANSPORTE	Y- DRIVER SIC	MATURE	WH# &/	MΟ	/YR EXPIRATION	DATE	
Detay	12/12				$\longrightarrow \times_{\longleftarrow}$		<u> </u>
LANDFILL WAS	TE INSPECTO	R SIGNATA	JRE -1	\bigcirc	ACCEPTED	REJECTED	2:24
WEIGHMASTE	X		1155116		72 M.A.1	<u> </u>	
INTERMINATION	K ZILZINJE I CIKI	- 1	HICENS	# '	DATE	TIME (AN	(ו פוען
	\sim						\smile



BOX 209, MCELHATTAN, PA 17748 PHONE: 570-769-6977 FAX: 570-769-7366 HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00

TICKET: 402483 DATE: 6/7/2010

TIME: 10:10:02 - 10:49:57

TRUCK: FCI 797

CUSTOMER: 809/CABOT OIL & GAS CORPORATION

FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

72580 LBS Scale GROSS:

36660 LBS Scale TARE:

NET: 35920 LBS TONS: 17.96 TNS

PROFILE: CAB2/ D 2H4H WELL - CABOT OIL & GAS GENERATOR 111/CABOT OIL & GAS CORP

GRID: DC2/N 2945.84 E 11264.02 ELE 656.69

COMMENT:

MANIFEST: 219628

ORIGIN	MATERIALS & SERVICES	PCT Q	PCT QUANTITY RATE	
58/SUSQUEHANNA	801/DRILLING RESIDUALS	100	17.96 @ \$29.50 per Ton	\$529.82
			TOTAL FEES:	\$188.58
			TOTAL AMOUNT:	\$718.40

EES COMPRISED OF THE FOLLOWING:

DISPOSAL/SERVICES:	\$529.82
HOST COMMUNITY FEE: @ \$1.25 PER TON	\$22.45
PA RECYCLING FEE: @ \$2.00 PER TON	\$35.92
ENVIRONMENTAL STEWARDSHIP FEE: @ \$4.25 PER TON	\$76.33
HOST COUNTY FEE: @ \$3.00 PER TON	\$53.88

IN OPERATOR: JESSICA - 70953

OUT OPERATOR: JESSICA - 70953 DRIVER: Mon Jun 2010 06/07/10 10:49 55

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CABOT-EPA 007597

				ì	j .	-	!						
Wayne To	wnship La	ndfill	PADE	Permit#1	0095	5		Residua	l Waste	Mani	fest No	2190	28
Generato	r Name	Cabot Oi	1 & Gas	Corporatio	n	i	i !						
Generator	Location		2H4H W	ELL-LAT41	1422.0	ЗN	- LONG	755400.	74W - D	MOCK	TWP - SU	ISQUEHAI	NNA CTY
Contact N	ame	Chris Lov	vman				Cell#	412-580	0-8659		Office	# 412-24	9-3927
Profile	CAB2	(3-letter	code)		1	(arrier		(3-le	tter co	ode)	Truc	:k#797
Customer/	Charge To	809	(3-dig	it number)		Origin	58	(2-di	git nu	mber)		
WASTE				DESCRI	TION	О	F WAST	E				PER	RCENTAGE
801	drilling res	iduals fron	natura	gas well di	illing .	- W	TL EC#2	80344 -	5/12/20	010			100%
													
	TOTAL PE	RCENTAG	E !			_							100%
Generator Cer	tification. I here	by certify that	the above	amed material	(s) is not	t ha	ardous wa	ste as defin	ed by CFR I	Pari 251	or any applica	oble state	
law, has been	properly descri	ed and packag	ed and is in	proper conditi	on for to	ans	portation a	ccarding to	applicable	regulatio	ons AND if the	waste is a	
treatment resi	due of a previo	usly restricted l	hazərdous 🖠	vasta subject to	the Lan	dfil	Disposeth	estriction,	l certify and	d warran	that the was	ite has	
been treated i	n accordance w	ith the require	ments of 40	CFR 268 and is	2015 1810 2015 1810		eksrdoyk a	defined by	r 40 CFR 9 a	rt 261.	6-7	-20	yo
GENERAT	OR SIGNAT	WRE, OF C	ERTTELC	ATLON / TI	TLE	1					DATE		
FC	I X	Strit	Drie	N 0	uho	1	754	5	-11		6-7	-10	
TRANSPO	RTER - DRI	YER SIGN	ATURE	WH	# & V	10,	YR EXE	IRATIO	N		DATE		
Se	Zh 1	1/1/1				i		\sim	<u>,</u>				
LANDFILL	WASTE IN	SPECTOR!	SIGNAT	JRE	7/13	9	57'	CCÉPTI	EB)-) -	10	REJECTE	3/0:5	.0
WEIGHIM	ASTER SIG	ATURE		UC.	FNSF	ŧ ,		DAT	F	#_ -	TIME	I PIMI	



DOX 209, MCELHATTAN, PA 17748 PHONE: 570-769-6977 FAX: 570-769-7366 HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00 TICKET: 402485 DATE: 6/7/2010

TIME: 10:12:37 - 10:53:06

TRUCK: FCI 777

CUSTOMER: 809/CABOT OIL & GAS CORPORATION

FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

GROSS: 69120 LBS Scale

TARE: 35780 LBS Scale

PROFILE: CAB2 244H WELL - CABOT OIL & GAS GENERATOR 111/CABOT OIL & GAS CORP

NET: 33340 LBS TONS: 16.67 TNS

GRID: DC2/N 2945.84 E 11264.02 ELE 656.69

MANIFEST: 157647

GRID: DC2/N 2945.84 E 11264.02 ELE 6 COMMENT:

AMOUNT

58/SUSQUEHANNA

ORIGIN

801/DRILLING RESIDUALS

MATERIALS & SERVICES

100 16.67 @ \$29.50 per Ton

PCT QUANTITY RATE

\$491.77

TOTAL FEES:

\$175.04

TOTAL AMOUNT:

\$666.81

EES COMPRISED OF THE FOLLOWING:

DISPOSAL/SERVICES:	\$491.77
HOST COMMUNITY FEE: @ \$1,25 PER TON	\$20.84
PA RECYCLING FEE: @ \$2.00 PER TON	\$33.34
ENVIRONMENTAL STEWARDSHIP FEE: @ \$4,25 PER TON	\$70.85
HOST COUNTY FEE: @ \$3.00 PER TON	\$50.01

IN OPERATOR: JESSICA - 70953

DRIVER: Mon Jun 2010 00/07/10 10:53:04 OUT OPERATOR: JESSICA - 70953

www.waynetwplandfill.com E-MAIL: ccswa@waynetwplandfill.com

CABOT-EPA 007599

				ļ	İ	Ι				
Wayne To	wnship La	ndfill	PADE	Permit#1009	55		Residua	l Waste i	Manifest No	157647
Generato	r Name	Cabot Oi	1 & Gas	Corporation	ĺ	1				
Generator	Location		2H4H W	ELL-LAT414422	150	- LONG	3755400.	74W - DIN	TOCK TWP - SU	SQUEHANNA CTY
Contact N	lame	Chris Lov	vman				412-580		Office	# 412-249-3927
Profile	CAB2	(3-letter	code)		1	Carrier	FCI	(3-lett	er code)	Truck# ファフ
Customer/	Charge To	809	(3-dig	it number)		Origin	58	(2-digi	t number)	
WASTE				DESCRIPTIO	V C	F WAS	TE			PERCENTAGE
801	drilling res	iduals fron	natura	gas well drilling	- V	VTL EC#	280344 -	5/12/201	0	100%
	TOTAL PE	RCENTAG	E			1				1009
Generator Cer	tification: I here	by certify that	the above	amed material(s) is n	ot ha	ardous w	aste as defin	ed by CFR Par	t 261 or any applica	ble state
law, has been	properly descri	bed and packag	ed and is in	proper condition for	rans	portation	according to	applicable re	gulations AND if the	waste is a
treatment res	idue of a previo	usly restricted	hazardous v	vaste subject to the la	ndfi	Discosal	Restriction, I	certify and w	arrant that the was	te has
been treated i	in accordance w	ith the equire	nents al 40	CFR 268 and is no lo	ger i	zardous:	as defined by	40 CFR Part	651.	2010
GENERAT	OR SIGNA	DUME OF C	ERTIFIC	ATION / TITLE © 7.5	-4		4/11		DATE	
TRANSPO	RTER DRI	VER SIGN	ATURE	WH# &	MC	/YR EX	PIRATIO	Ņ	DATE	
LANDFILL	WASTE IN	SPECTOR	S IGN AT	URE ()	? <	3	ACCEPTE	C_)-	REJECTED	N:53 ·
WEIGHM	ASTERAG	NATURE		LICENS	:#		DAT	F	TIMFIAN	M / PMI



FOR DOX 209, MCELHATTAN, PA 17748 PHONE: 570-769-6977 FAX: 570-769-7366 HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00 TICKET: 402556 DATE: 6/7/2010

TIME: 12:36:56 - 13:28:56

TRUCK: RED245

CUSTOMER: 809/CABOT OIL & GAS CORPORATION

FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

GROSS: 57940 LBS Scale

TARE: 44180 LBS Scale

PROFILE: CAB2

2H4H WELL - CABOT OIL & GAS

NET: 13760 LBS TONS: 6.88 TNS

GENERATOR 111/CABOT OIL & GAS CORP

GRID: DC2/N 2945.84 E 11264.02 ELE 656.69

COMMENT:

ORIGIN	MATERIALS & SERVICES	•	ITITY RATE	AMOUNT
58/SUSQUEHANNA	801/DRILLING RESIDUALS	100	6.88 @ \$29.50 per Ton	\$202.96
			TOTAL FEES;	\$72.24
			TOTAL AMOUNT:	\$275.20

. LES COMPRISED OF THE FOLLOWING:

DISPOSAL/SERVICES:	\$20 2,96
HOST COMMUNITY FEE: @ \$1.25 PER TON	\$8.60
PA RECYCLING FEE: @ \$2.00 PER TON	\$13.76
ENVIRONMENTAL STEWARDSHIP FEE: @ \$4.25 PER TON	\$29.24
HOST COUNTY FEE: @ \$3.00 PER TON	\$20.64

IN OPERATOR: TRACY - 066750

DRIVER: Mon.Jun.2010 UM07/10.13:28:55 OUT OPERATOR: TRACY - 066750

www.waynetwplandfill.com E-MAIL: ccswa@waynetwplandfill.com

CABOT-EPA 007601

				1	İ	ļ						
Wayne To	ownship La	ndfill	PADE	Permit#10	009\$5	1	Residua	Waste	Manifest N	o		
Generato	r Name	Cabot O	il & Gas	Corporation	1	Ì						
Generator	Location		2H4H W	ELL-LAT414	422.03	N - LONG	3755400.7	74W - D	MOCK TWP	- susq	UEHANNA C	TY
Contact N	ia me	wman	<u> </u>		Cell#	412-580	-8659	Off	ice# 4	12-249-392	7	
Profile	CAB2	(3-letter	code)	<u> </u>		Carrier		(3-le	tter code)		Truck# 5	145
Customer	Charge To	809	(3-dig	it number)		Origin	58	(2-di	git number)			
WASTE	T			DESCRIP	TION	OF WAS	TE				PERCENT	AGE
801	drilling res	iduals fron	n natura	gas well dri	lling - '	WTL EC#	280344 -	5/12/20	010			100%
	TOTAL PE	RCENTAG	E			1						100%
Generator Cer	rtification There	by certify that	the above i	amed material(s	i) is not h	atardous w	aste as defin	ed by CFR I	Part 261 or any ap	plicable :	state	
law, has been	properly descri	bed and packa	ged and is in	proper conditio	n for trar	sportation	according to	applicable	regulations AND (f the was	ste is a	
treatment res	idue of a previo	usly restricted	hazardous į	vaste subject to t	the Landi	il propert	RestrictioN, J	certify and	I warrant that the	waste h	əs	
been treated	in accordance w	ith the require	ments at 40	CFR 268 and inf	o longe;	lfazagoous a	s defined by	40 CFR Par	rt 261	_	_	
) +	1	Äl	10			6-1-	20	10	
GENERAT	OR SIGNA	ELIRE OF C	ERTIFIC	ATION / TIT	IE	7			DATE			
		<u> </u>				1						
TRANSPO	DRITER - DRI	XER SIGN	ATURE			YR EX	PIRATIO	V	DATE			
Ju-	L on	سنر		WH14	19	Aug	20107	4	6-2-	- 2c	10	
LANDFILI	WASTE IN	SPECTOR	SIGNAT				ACCEPTE	D,	REJEC			
	1				QQ (152	6/7	110	12	5		
	ASTER SIG	NATURE		LICE	NSF#	{	DAT	F	TIME	(AM)	PM	
Set	4 M/	el alla		-	i							



PHONE: 570-769-6977 FAX: 570-769-7366 HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00 TICKET: 402557 DATE: 6/7/2010

TIME: 12:39:04 - 13:31:28

TRUCK: RED242

CUSTOMER: 809/CABOT OIL & GAS CORPORATION

FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

GROSS: 69780 LBS Scale

TARE: 34080 LBS Scale NET: 35700 LBS

PROFILE: CAB2 244H WELL - CABOT OIL & GAS
GENERATOR 111/CABOT OIL & GAS CORP

TONS: 17.85 TNS

GRID: DC2/N 2945.84 E 11264,02 ELE 656.69

COMMENT:

ORIGIN	MATERIALS & SERVICES	`	JANTITY RATE	AMOUNT
58/SUSQUEHANNA	801/DRILLING RESIDUALS	100	17.85 @ \$29.50 per Ton	\$526,58
			TOTAL FEES:	\$187.42
			TOTAL AMOUNT:	\$714.00

ZEES COMPRISED OF THE FOLLOWING:

DISPOSAL/SERVICES:	\$526.58
HOST COMMUNITY FEE: @ \$1,25 PER TON	\$22.31
PA RECYCLING FEE: @ \$2.00 PER TON	\$35.70
ENVIRONMENTAL STEWARDSHIP FEE: @ \$4.25 PER TON	\$75.86
HOST COUNTY FEE: @ \$3.00 PER TON	\$53.55

IN OPERATOR: TRACY - 066750

DRIVER: Mon Jun 2010 08/07/10 13 31:28 OUT OPERATOR: TRACY - 066750

www.waynetwplandfill.com E-MAIL: ccswa@waynetwplandfill.com

CABOT-EPA 007603

				Ì		1	1							
Wayne To	wnship La	ndfill	PADE	Permi	t#1009	5 5		Residua	l Was	ste Mar	rifest No			
Generator	Name	Cabot Oil	& Gas	Corpora	tion		ļ							
Generator l	Location		2H4H W	ELL-LAT	414422	1EO.	- LONG	755400.	74W -	DIMOC	K TWP - SU	SQUE	ANNA	CTY
Contact N	ame	Chris Low	nemv			ļ	Cell#	412-580	0-865	9	Office	# 412	249-39	27
Profile	CAB2	(3-letter	code)	ŀ			Carrier		(3-	letter o	ode)	T	ruck#	347
Customer/	Charge To	809	(3-dig	it numb	er)		Origin	58	(2-	digit n	umber)			
WASTE				DESC	RIPTIO	NO	F WAST	Έ				1	PERCEN	ITAGE
801	drilling res	iduals from	natural	gas wel	l drilling	- 14	TL EC#2	80344 -	5/12	/2010		-		100%
	TOTAL PE	RCENTAGE										+		100%
law, has been p	properly describ	ed and packag usiy restricted h	ed and is in azardous y	proper con vaste subje	ct to the L	trans ndfil	portation a	ccarding to estriction, i	applical	ble regulat	Lor any applica lons AND if the nt that the was	waste is		•
GENERATO	OR SIGNAT	URE OF	ERTIPIC	ATION)	TITLE					*	DATE 7-1	0		
TRANSPO	RTER - DRI	VER SIGNA	ATURE		11100	MΟ		od/ >	N		DATE 6-7-10	2		
LANDFILL	WASTE IN	SPECTOR S	SIGNAT	URE	1800	2	ν V	CCEPTE	P	-	REJECTED			
WEIGHM	STFR SIGN	VATURE			ICFNS	#		ПАТ	£ ///		TIME IAL	1 / PA	1)	



HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00

TICKET: 402649 DATE: 6/8/2010

TIME: 07:13:26 - 07:54:05

TRUCK: FCI797

CUSTOMER: 809/CABOT OIL & GAS CORPORATION

FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

GROSS: 64740 LBS Scale

TARE: 36340 LBS Scale NET: 28400 LBS

PROFILE; CAB2 2H4H WELL - CABOT OIL & GAS GENERATOR 111/CABOT OIL & GAS CORP

TONS: 14.20 TNS

MANIFEST: 219629

GRID: 2997/N 2957.87 E 11139.61 ELE 657.31 COMMENT:

ORIGIN MATERIALS & SERVICES PCT QUANTITY RATE AMOUNT 58/SUSQUEHANNA 801/DRILLING RESIDUALS 100 14,20 @ \$29.50 per Ton \$418,90 TOTAL FEES: \$149.10 TOTAL AMOUNT: \$568.00

FEES COMPRISED OF THE FOLLOWING:

DISPOSAL/SERVICES:	. \$418.90
HOST COMMUNITY FEE: @ \$1.25 PER TON	\$17.75
PA RECYCLING FEE: @ \$2.00 PER TON	\$28.40
ENVIRONMENTAL STEWARDSHIP FEE: @ \$4.25	5 PER TON \$60.35
HOST COUNTY FEE; @ \$3.00 PER TON	\$42.60
HOST COUNTY FEE; @ \$3.00 PER TON	\$42.60

IN OPERATOR: TRACY - 066750

OUT OPERATOR: TRACY - 066750 DRIVER: Tue Jun 2010 08/08/10 07-54-03

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CABOT-EPA 007605

					٠.		Ĩ						
Wayne To	wnship La	ndfill	PADE	Pern	nit#1009	\$ 5	Ĭ	Residua	l Wast	e Man	fest No	2196	29
Generator	r Name	Cabot Oi	l & Gas	Corpo	ration								·- /·
Generator	Location		2H4H W	ELL-LA	T414422	180.	- LONG	3755400.	74W - I	DIMOCI	TWP - SU	ISQUEHANI	IA CTY
Contact N	lame	Chris Lov	vman				Cell#	412-580	0-8659		Office	# 412-249-	
Profile	CAB2	(3-letter	code)	ĺ		1	Carrier		(3-1	etter c	ode)	Truck	# <i>797</i>
Customer/	Charge To	809	(3- dig	it nun	ber)		Origin	58	(2-0	ligit nu	mber)		
WASTE				DES	CRIPTIO	NO	F WAS	E				PERC	ENTAGE
801	drilling res	iduals fron	natura	gas w	eli drilling	- W	/TL EC#;	280344 -	5/12/2	2010			100%
	TOTAL PE	RCENTAGI	E										100%
Generator Cert	tification: I here	by certify that	the above	amed ma	aterial(s) is n	ot ha	rardous w	sste as defin	ed by CFA	Part 261	or any applica	ble state	
law, has been	properly describ	ed and packag	ged and is in	proper c	ondition for	rans	portation	carding to	applicabl	e regulatio	ons AND If the	waste is a	
1	due of a previo	-				~ 1	15/-1		•		that the was	te has	
been treated is	n accordance w	ith the require	ments of 40	CFR 268	and is set for	eer h	elistoux,	defined by	y 40 CFR P	art 261.	6^	2-2	9/0
GENERAT	OR SUSINA	rure of ¢	ERTHFLC	J					,		DATE		
FCI.	Kobe	TD	nil	1/1	VHO.	75	<u>, 4</u>	5-1	<i>l</i> ·		6-7	-10	
TRANSPO	RTER DR	VER SIGN	ATURE	6	WH# &	МО	YR EX	PIRATIO	N		DATE		
1 De	Shelfa		-					×					
LANDFILL	WASTE IN	SPECTOR!	SIGNAT	URE	200		. 62.	ACCÉPTI	ΞĎ,		REJECTED	()	
		1 -			ciu	0	130	-0/8	110		1:3	7	
IWFIGHM	ASTER SIG	VATURE	i		LICENS	# 1		That	'F		TIME (AN	A / PMI	



HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00

TICKET: 402650 DATE: 6/8/2010

TIME: 07:16:12 - 07:56:21

TRUCK: 777

CUSTOMER: 809/CABOT OIL & GAS CORPORATION

FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

GROSS: 60120 LBS Scale

TARE: 35420 LBS Scale

PROFILE: CAB2/ GENERATOR 111/CABOT OIL & GAS CORP

2H4H WELL - CABOT OIL & GAS

NET: 24700 LBS TONS: 12.35 TNS

GRID: DC2/N 2945.84 E 11264.02 ELE 656.69

MANIFEST: 157645

COMMENT:

ORIGIN	MATERIALS & SERVICES	PCT Q	JANTITY RATE	AMOUNT	
58/SUSQUEHANNA	801/DRILLING RESIDUALS	100	12.35 @ \$29.50 per Ton	\$364.33	
			TOTAL FEES:	\$129.68	
			TOTAL AMOUNT:	\$494.01	

JEES COMPRISED OF THE FOLLOWING:

DISPOSAL/SERVICES:	\$364.33
HOST COMMUNITY FEE: @ \$1.25 PER TON	\$15.44
PA RECYCLING FEE: @ \$2.00 PER TON	\$24.70
ENVIRONMENTAL STEWARDSHIP FEE: @ \$4.25 PER TON	\$52.49
HOST COUNTY FEE: @ \$3.00 PER TON	\$37.05

IN OPERATOR: TRACY - 066750

DRIVER: Tue Jun 2010 06/08/10 07-68 19 OUT OPERATOR: TRACY - 066750

www.waynetwplandfill.com E-MAIL: ccswa@waynetwplandfill.com

CABOT-EPA 007607

DIM0228840 DIM0227454

				i	í	(
Wayne To	ownship La	ndfill	PADE	P Permit#1009	55		Residual	Waste Ma	nifest No	157645
Generato	r Name	Cabot Oi	I & Gas	Corporation						
Generator	Location		2H4H W	ELL-LAT414422	.031	- LONG	755400.7	4W - DIMO	CK TWP - SU	SQUEHANNA CTY
Contact N	lame	Chris Lov	vman				112-580	-8659	Office	# 412-249-3927
Profile	CAB2	(3-letter	code)			Carrier /	FCI	(3-letter	code)	Truck# >>>
Customer	Charge To	809	(3-dig	it number)	1	Origin	58	(2-digit	number)	
WASTE				DESCRIPTIO	N.O	F-WAST	Ē			PERCENTAGE
801	drilling res	iduals from	natura	gas well drillin	g - V	TL EC#2	80344	5/12/2010		100%
					<u> </u>					
	TOTAL PE	RCENTAG	E							100%
law, has been treatment res	properly describ	oed and packag usly restricted)	ed and is fr hazardous v	amed material(s) is a proper condition for vasta subject to the L CFR 268 and is no loc	trans	portation ac Disposal Re	cording to a	appticable regul gertify and war	ations AND if the	waste is a
GENERAT	ORSIGNAT	TURE OF C	ERTIFIC	ATION LITTLE	17:	54	4/	//	DATE	/20
TRANSPO	RTER - DRI	VER SIGN	ATURE	WH# &	МО	/YR EXP	IRATION 2	1	DATE /	
LANDFILL	WASTEIN	SPECTOR S	SIGNAT	URE OU	22	SC A	CCÉPTE LASH	D 10	REJECTED)
IWFIGHM	ASTER SIGI	NATURF		LICENS	#		DATE		TIMF IAN	v \ bwy



DATE: 6/8/2010

TICKET: 402654

HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00

TIME: 07:18:46 - 08:04:04

TRUCK: FCI796

CUSTOMER: 809/CABOT OIL & GAS CORPORATION

FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

GROSS: 68280 LBS Scale

PROFILE: CAB2 2H4H WELL - CABOT OIL & GAS GENERATOR 111/CABOT OIL & GAS CORP

GRID: 2998/N2957.87, E11139.61, ELE666.53

COMMENT:

DIM0227454

TARE: 36400 LBS Scale
NET: 31880 LBS
TONS: 15.94 TNS

ORIGIN	MATERIALS & SERVICES	`	JANTITY RATE	AMOUNT
58/SUSQUEHANNA	801/DRILLING RESIDUALS	100	15.94 @ \$29.50 per Ton	\$470.23
			TOTAL FEES:	\$167.38
			τωται αμωίνιτ.	\$637.61

FEES COMPRISED OF THE FOLLOWING:

DISPOSAL/SERVICES:	\$470.23
HOST COMMUNITY FEE; @ \$1.25 PER TON	\$19.93
PA RECYCLING FEE: @ \$2.00 PER TON	\$31.88
ENVIRONMENTAL STEWARDSHIP FEE: @ \$4.25 PER TON	\$67.75
HOST COUNTY FEE: @ \$3.00 PER TON	\$47.82

CABOT-EPA 007609

DIM0228842

OUT OPERATOR: JESSICA - 70953

www.waynetwplandfill.com E-MAIL: ccswa@waynetwplandfill.com

				1 '	1	1						
Wayne To	wnship Lai	ndfill	PADE	Permit#1009	\$5		Residua	Waste	Manifest	No		
Generato	Name	Cabot Oi	l & Gas	Corporation		ĺ				_		
Generator	Location		2H4H W	ELL-LAT414422	031	- LONG	755400.	74W - DIN	MDCK TW	P - SUSC	QUEHANN	A CTY 5
Contact N	ame	Chris Lov	vman	! !	ļ	Cell#	412-580	-8659	6	Office#	412-249-3	3927
Profile	CA82	(3-letter	code)	i !	1	Carrier		(3-lett	ter code)		Truck#	796
Customer/	Charge To	809	(3-dig	it number)		Origin	58	(2-dig	it numbe	r)		
WASTE				DESCRIPTIO	NO	F WAST	E				PERCE	NTAGE
801	drilling res	duals from	natura	gas well drilling	- V	TL EC#2	80344 -	5/12/201	10			100%
					-	<u> </u>						
	TOTAL PE	RCENTAGI	E		L	İ						100%
treatment resi	Generator Certification: I hereby certify that the above named material(s) is not hazardous waste as defined by CFR Part 261 or any applicable state [aw, has been properly described and packaged and is in proper condition for transportation according to applicable regulations AND if the waste is a treatment residue of a previously restricted hazardous waste subject to the Landfill Daspasal Restriction. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer hat thousand by 40 CFR Part 261.											
GENERAT	OR SIGNAT	URE OF C	ERTIFIC	ATION / TITLE	10	754	4,	12011	DAT		110	
8	RTER - DRI	7-			ΜO	/YR EXF シ		N	DA	TE		1
	WASTE IN	XYVX	SIGNAT	URE 709	\int_{a}^{b}	<u>'</u>	CCEPTE	-8-1	REJE	CTED	5.0	1
IWFIGHM	ASTER SIG	UATURF	 	HCFNSi	##		DΔT	F	TIM	FIAM	Хећлі	



BOX 209, MCELHATTAN, PA 17748 PHONE: 570-769-6977 FAX: 570-769-7366 HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00

TICKET: 402824 DATE: 6/8/2010

TIME: 14:07:51 - 14:49:45

TRUCK: FCI 797

CUSTOMER: 809/CABOT OIL & GAS CORPORATION

FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

GROSS: 69880 LBS Scale

TARE: 35940 LBS Scale

PROFILE: CAB2 2H4H WELL - CABOT OIL & GAS NET: 33940 LBS

GENERATOR 111/CABOT OIL & GAS CORP GRID: DC2/N 2945.84 E 11264.02 ELE 656.69

TONS: 16.97 TNS

COMMENT:

MANIFEST: 219630

ORIGIN	MATERIALS & SERVICES	PCT QUA	NTITY RATE	AMOUNT
58/SUSQUEHANNA	801/DRILLING RESIDUALS	100	16.97 @ \$29.50 per Ton	\$500.62
			TOTAL FEES:	\$178.18
			TOTAL AMOUNT:	\$678.80

EES COMPRISED OF THE FOLLOWING:

DISPOSAL/SERVICES: \$500.62
HOST COMMUNITY FEE: @ \$1.25 PER TON \$21.21
PA RECYCLING FEE: @ \$2.00 PER TON \$33.94
ENVIRONMENTAL STEWARDSHIP FEE: @ \$4.25 PER TON \$72.12
HOST COUNTY FEE; @ \$3,00 PER TON \$50.91

IN OPERATOR: JESSICA - 70953

OUT OPERATOR: JESSICA - 70953 DRIVER: Tue Jun 2010 06/08/10 14:48 43

www.waynetwplandfill.com E-MAIL: ccswa@waynetwplandfill.com

CABOT-EPA 007611

DIM0228844 DIM0227454

				1	1		
Wayne To	wnship Lar	ndfill	PADE	P Permit#1009	\$5	Residual Waste Manifest No 219630	>
Generator	Name	Cabot Oi	l & Gas	Corporation			
Generator.	Location		2H4H W	ELL-LAT414422	.031	IN - LONG755408.74W - DIMOCK TWP - SUSQUEHANNA CT	γ
Contact N	ame	Chris Lav	vman	}		Cell# 412-580-8659 Office# 412-249-3927	~~
Profile	CAB2	(3-letter	code)			Carrier (3-letter code) Truck# Z	4/
Customer/	Charge To	809	(3-dig	it number)	1	Origin 58 (2-digit number)	
WASTE				DESCRIPTIO	NO	OF WASTE PERCENTA	\GE
801	drilling resi	duals from	natural	gas well drillin	g - V	WTL EC#280344 - 5/12/2010	100%
	TOTAL PER	RCENTAGE	Ε				100%
Generator Cert	ification: I herei	y,certify that	the above	ezmed material(s) is	os ha	natardous waste as defined by CFR Part 261 or any applicable state	
law, has been i	properly describ	ed and packag	ed and is l	proper condition for	rans	rsportation according to applicable regulations AND if the waste is a	
treatment resi	due of a previou	sly restricted h	hazardous v	vaste subject to the l	adfi	fill Disposal Restriction, I certify and warrant that the waste has	
been treated is	accordance wi	th the requirer	ments of 40	CFR 268 and is no lo	keg fi	hazardous as defined by 40 CFR Part 261.	
			=		=	fr.d-200	
GENERAT	OR SIGNAT	URE OFT	ERTUPIC	ATION / TITLE		SATE 2	
FCI	Tolse	JOS	an	who	Z	54 5-11 6-8-10	
TRANSPO	RTER - DRI	VER ŠIGNĄ	ATURE	WH# &	MO	D/YR EXPIRATION DATE	`
50	Kop	elsk.	ann		<u></u>	× , N	Ì3
LANDFILL	WASTEIN	PECTOR :	SIGNAT	URE (q	ACCEPTED C-8 REJECTED DO	1
WEIGHM	ASTER SIGN	ATURE		LICENS	##	DATE TIME (AM / PM)	
	()				1		



HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00

TICKET: 402827 DATE: 6/8/2010

TIME: 14:09:34 - 14:52:28

TRUCK: FCI 777

CUSTOMER: 809/CABOT OIL & GAS CORPORATION

FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

GROSS: 71900 LBS Scale

TARE: 35040 LBS Scale NET: 36860 LBS

2H4H WELL - CABOT OIL & GAS PROFILE: CAB2 GENERATOR 111/CABOT OIL & GAS CORP

TONS: 18.43 TNS

GRID: DC2/N 2945.84 E 11264.02 ELE 656.69

COMMENT:

MANIFEST: 157644

ORIGIN	MATERIALS & SERVICES	PCT Q	JANTITY RATE	AMOUNT
58/SUSQUEHANNA	801/DRILLING RESIDUALS	100	18.43 @ \$29.50 per Ton	\$543.69
			TOTAL FEES:	\$193.52
			TOTAL AMOUNT:	\$737.21

EES COMPRISED OF THE FOLLOWING:

DISPOSAL/SERVICES:	\$543.69
HOST COMMUNITY FEE: @ \$1.25 PER TON	\$23.04
PA RECYCLING FEE: @ \$2.00 PER TON	\$36,86
ENVIRONMENTAL STEWARDSHIP FEE: @ \$4.25 PER TON	\$78.33
HOST COUNTY FEE: @ \$3.00 PER TON	\$55.29

IN OPERATOR: JESSICA - 70953

OUT OPERATOR: JESSICA - 70953

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CABOT-EPA 007613

DIM0228846 DIM0227454

					1	-				
Wayne To	ownship La	ndfill	PADE	P Permit#1009	\$5	1	Residual	Waste Mar	ifest No	157644
Generato	r Name	Cabot Oi	l & Gas	Corporation	1					
Generator	Location		ZH4H W	ELL-LAT414422	180.	- LONG	755400.7	4W - DIMOC	K TWP - SUS	QUEHANNA CTY
Contact N	lame	Chris Lov	vman				412-580-			112-249-3927
Profile	CAB2	(3-letter	code)	[Carrier	FCI	(3-letter o	ode)	Truck# 77>
Customer	Charge To	809	(3-dig	it number)		Origin	58	Z-digit no	ımber)	
WASTE				DESCRIPTIO	NO	F WAST	E			PERCENTAGE
801	drilling res	iduals fron	natura	gas well drilling	۷ - و	VTL EC#2	80344 - 5	5/12/2010		100%
										i
	TOTAL PE	RCENTAG	<u> </u>		L					100%
Generator Ce	rtification: There	by certify that	the above	amed material(s) is n	pr ha	ardous wa	ste as define	d by CFR Part 251	or any applican	.e state
iaw, has been	properly describ	ed and packag	ed and is in	proper condition for	trans	portation a	ccording to a	pplicable regular	ions AND if the A	aste is a
			i	vaste subject to the Li	1			•	a. ksw e df fedt fr	has
been treated	in accordance wi	th the required	ments of 40	CFR 268 and hynolog		azardous a:	s defined by	40 CFR Part 261.	_	
		_//	=	40	9			00	2010	<u>کر</u>
GENERAT	OR SIGNAT	JURE OF C	ERTIFIC	ATION / TITLE	ļ.,-,	841	1,12		DATE	
07	Col				2/	-//	4/11		6/8	
TRANSPO	RTER DRI	VER SIGN	ATURE	WH# &	MO	YYR EXE	PIRATION	I	DATE	
20	A/1/1	de					$-\!$			
LANDFILI	WASTE IN	SPECTOR	SIGNAT	URE	X	150	ACCEPTEI	28·16	REJECTED	2:50
WEIGHM	ASTER SIGI	VATURE		HCENSI	#		DATE		TIME (AM	/PM)
		\cup	į		:					\smile



HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00

TICKET: 402829 DATE: 6/8/2010

TIME: 14:14:09 - 14:56:12

TONS:

TRUCK: FCI 796

CUSTOMER: 809/CABOT OIL & GAS CORPORATION

FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

GROSS: 73780 LBS Scale

TARE: 36220 LBS Scale

18.78 TNS

NET: 37560 LBS

PROFILE: CAB2 2H4H WELL - CABOT OIL & GAS

GENERATOR 111/CABOT OIL & GAS CORP

GRID: DC2/N 2945.84 E 11264.02 ELE 656.69

COMMENT:

ORIGIN MATERIALS & SERVICES		PCT Q	JANTITY RATE	AMOUNT	
58/SUSQUEHANNA	801/DRILLING RESIDUALS	100	18.78 @ \$29.50 per Ton	\$554.01	
			TOTAL FEES:	\$197.20	
			TOTAL AMOUNT:	\$751.21	

EES COMPRISED OF THE FOLLOWING:

DISPOSAL/SERVICES:	\$554.01
HOST COMMUNITY FEE: @ \$1.25 PER TON	\$23.48
PA RECYCLING FEE: @ \$2.00 PER TON	\$37.56
ENVIRONMENTAL STEWARDSHIP FEE: @ \$4.25 PER TON	\$79.82
HOST COUNTY FEE: @ \$3,00 PER TON	\$56.34

IN OPERATOR: JESSICA - 70953

DRIVER: Tue Jun 2010 00/08/10 14.00:11 OUT OPERATOR: JESSICA - 70953

www.waynetwplandfill.com E-MAIL: ccswa@waynetwplandfill.com

CABOT-EPA 007615

					l	<u> </u>				
Wayne To	wnship La	ndfill	PADE	Permit#1009	55	Re	sidual '	Waste Mar	ifest Na	
Generato	r Name	Cabot O	il & Gas	Corporation		I L				
Generator	Location		2H4H W	ELL-LAT414422.	рзи	- LONG75	5400.74	W - DIMO	K TWP - SUS	QUEHANNA CTY
Contact N	lame	Chris Lo	wman		1	Cell# 41	2-580-	3659	Office#	412-249-3927
Profile	CAB2	(3-lette	r code)	ļ	1	Carrier		(3-letter o	ode)	Truck# 796
Customer/	Charge To	809	(3-dig	rt number)		Origin	58	(2-digit no	umber)	
WASTE				DESCRIPTIO	ŃΟ	F WASTE				PERCENTAGE
801	drilling res	iduals fro	m natura	gas well drilling	- ۷	TL EC#280	344 - 5	/12/2010		100%
	TOTAL PE	RCENTAG	E		Ĺ					100%
Generator Cer	tification: I here	by certify tha	t the above :	amed material(s) is n	ot ha	rardous waste	as defined	by CFR Part 25:	l or any applicable	state
law, has been	property describ	ed and packs	ged and is in	proper condition for	trans	portation acco	rding to ap	pricable regulat	ions AND if the w	aste is a
treatment resi	idue of a previo	usly restricted	l hazərdous v	vaste subject to the la	ndfil	Disapsal Rest	rictioN, J co	ertify and warra	nt that the waste	has
been treated i	in accordance w	th the requir	ements of 40	CFR 268 and in no loc	Res J	aza dous as de	fined by 4	0 CFR Part 261.	_	
				-	عل			8-0	010	
GENERAT	OR SIGNAT	TURE OF	CERTIFIC	ATION / TITLE	1		حيا	1	DATE	/
Idal	Ra	1	/		U	40754	4	(11	6/8	110
TRANSPO	RTER - DRI	VER ŞIGN	IATURÈ	WH# &	ΜO	YR EXPIR	ATION		DATE	
2	<u>e</u>					α				Ť
LANDFILL	. WASTE IN	SPECTOR	SĬGNAT	URE \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	S	βA (EEPTEC	8-10	REJECTED	2:10
WEIGHM	ASTER SIG	ATIBE		UCENS	#		DATE	\bigcirc	TIME IAM	(bini)
		11	:	j						\



3OX 209, MCELHATTAN, PA 17748 PHONE: 570-769-6977 FAX: 570-769-7366 HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00

TICKET: 402928 DATE: 6/9/2010

TIME: 09:33:32 - 10:16:28

TRUCK: FCI 797

CUSTOMER: 809/CABOT OIL & GAS CORPORATION

FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

GROSS: 72320 LBS Scale TARE: 36800 LBS Scale

PROFILE: CAB2/ 2H4H WELL - CABOT OIL & GAS GENERATOR 111/CABOT OIL & GAS CORP

NET: 35520 LBS

GRID: DC2/N 2945.84 E 11264.02 ELE 656.69

TONS: 17.76 TNS

COMMENT:

MANIFEST: 219631

ORIGIN	MATERIALS & SERVICES	PCT QUA	NTITY RATE	AMOUNT	
58/SUSQUEHANNA	801/DRILLING RESIDUALS	100	17.76 @ \$29.50 per Ton	\$523.92	
			TOTAL FEES:	\$186.48	
			TOTAL AMOUNT:	\$710.40	

EES COMPRISED OF THE FOLLOWING:

DISPOSAL/SERVICES:	\$523.92
HOST COMMUNITY FEE: @ \$1.25 PER TON	\$22.20
PA RECYCLING FEE: @ \$2,00 PER TON	\$35.52
ENVIRONMENTAL STEWARDSHIP FEE: @ \$4.25 PER TON	\$75. 48
HOST COUNTY FEE: @ \$3.00 PER TON	\$53.28

	IN	OPERATOR:	JESSICA -	- 70953
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DRIVER: Wed Jun 2010 08/09/10 10.18.27 OUT OPERATOR: TRACY - 066750

www.waynetwplandfill.com E-MAIL: ccswa@waynetwplandfill.com

CABOT-EPA 007617

Wayne To	ownship La	ndfill	PADE	Permit#1009	\$ 5	Residua	l Waste i	Vianifest No	219631	
Generato	r Name	Cabot Oi	il & Gas	Corporation	1	{				
Generator	Location		2H4H V	ELL-LAT414422	۹EQ.	- LONG755400.	74W - DIN	MOCK TWP - SU	SQUEHANNA CTY	
Contact N	lame	Chris Lov	wman	ļ	}	Cell# 412-580	-8659	Office	# 412-249-3927	
Profile	CABZ	(3-letter	code)		} .	Carrier	(3-lett	er code}	Truck# 79	7
Customer	/Charge To	809	(3-dig	it number)		Origin 58	(2-digi	it number)		
WASTE	1			DESCRIPTIO	NO	F WASTE			PERCENTAGE	
801	drilling res	iduals fron	n natura	gas well drilling	- V	TL EC#280344 -	5/12/201	.0	10	00%
	TOTAL PE	RCENTAG	E		<u> </u>				10	00%
Generator Ce	rtification: I here	by certify that	the above	amed material(s) is n	ot ha	tardous waste as defin	ed by CFR Par	rt 261 or any applica	ible state	
			-		,	portation according to	• •	-		
treatment res	idue of a previou	sly restricted	hazardous v	vaste subject to the L	ndfil	Disposal Restriction, I	certify and w	varrant that the was		
treatment res been treated	ildue of a previou	osly restricted th the require	hazardous i	vaste subject to the La	ndfil	1	certify and w	varrant that the was		
treatment res been treated	idue of a previous in accordance wi	osly restricted th the require	hazardous i	vaste subject to the L	nofil	Disposal Restriction, I	certify and w	varrant that the was		
treatment res been treated GENERAL	idue of a previous in accordance wi	osly restricted th the require	ments of 40	ATION / TITLE	nofil	Disposal Restriction, I	certify and w	varrant that the was		
been treated GENERAL TRANSPO	TOR SIGNAT	th the require	ments of 40 ERTIFIC	ATION / TITLE WH# &	nofil	Disposal Restriction, I	certify and w	varrant that the was		
been treated GENERAL TRANSPO	in accordance with the SIGNAT	th the require	ments of 40 ERTIFIC	ATION / TITLE WH# &	nofil	Disposal Restriction, I	certify and w	varrant that the was	te has	



HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00

TICKET: 402929 DATE: 6/9/2010

TIME: 09:36:43 - 10:19:01

TRUCK: FCI755

CUSTOMER: 809/CABOT OIL & GAS CORPORATION

FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

GROSS: 40800 LBS Scale

TARE: 33300 LBS Scale

NET:

7500 LBS

PROFILE: CAB2 2H4H WELL - CABOT OIL & GAS GENERATOR 111/CABOT OIL & GAS CORP GRID: DC2/N 2945.84 E 11264.02 ELE 656.69

TONS:

3.75 TNS

COMMENT:

MANIFEST: 5219662

ORIGIN	MATERIALS & SERVICES	PCT QU	JANTITY RATE	AMOUNT	
58/SUSQUEHANNA	801/DRILLING RESIDUALS	100	3.75 @ \$29.50 per Ton	\$110.63	
			TOTAL FEES:	\$39.38	
			TOTAL AMOUNT:	\$150.01	

EES COMPRISED OF THE FOLLOWING:

DISPOSAL/SERVICES:	\$110.63
HOST COMMUNITY FEE: @ \$1.25 PER TON	\$4.69
PA RECYCLING FEE; @ \$2.00 PER TON	\$7.50
ENVIRONMENTAL STEWARDSHIP FEE: @ \$4,25 PER TON	\$15.94
HOST COUNTY FEE: @ \$3.00 PER TON	\$11.25

IN OPERATOR: JESSICA - 70953

OUT OPERATOR: TRACY - 066750

www.waynetwplandfill.com E-MAIL: ccswa@waynetwplandfill.com

CABOT-EPA 007619

	•		-		L_	1	-				
Wayne To	ownship La	ndfill	PADE	Permit#1009	\$5		Residual	Waste	Manifest No	5 219	662
Generato	r.lame	Cabot Oi	I & Gas	Corporation		ĺ					
Generator	Location		2H4H W	ELL-LAT414422	.03h	- LONG	755400.7	4W - DII	VIOCK TWP - SI	JSQUEHANN	A CTY
Contact N	lame	Chris Lov	vman			Cell#	412-580	-8659	Office	# 412-249-	3927
Profile	CABZ	(3-letter	code)			Carrier	FCI	_ (3-let	ter code)	Truck#	755
Customer	Charge To	809	(3-dig	it number)	<u></u>	Origin	58	(2-dig	it number)		
WASTE				DESCRIPTIO	NO	F WAST	E			PERCE	NTAGE
801	drilling resi	iduals from	natura	gas well drilling	٠٧	VTL EC#2	80344 -	5/12/20:	10		100%
	TOTAL PE	RCENTAGE	Ε			1					100%
Generator Cer	tification: I-here	by certify that	the above	amed material(s) is n	ot ha	zardous wa	ste as define	d by CFR Pa	rt 261 or any applica	able state	
law, has been	properly describ	ed and packag	ged and is in	proper condition for	trans	portation a	ccording to	appilcable re	egulations AND if the	e waste is a	
treatment reș	idue of a previou	ısly restricted i	hazardous y	vaste subject to the L	ndfil	Disposal R	estriction, I	certify and	warrant that the wa	ste has	
been treated	in accordance wi	th the require	ments of ac	CFR 268 and is no lon	347	zardojs f	defined by	40 CFR Part	261:	ζ.	
						<i>X Y</i>	Z		D- 7-	TORG	
GENERAT	OR SIGNAT	URE OF C	ERTIFIC	ATION / TITLE	Ü		-1		DATE	, 7	
FU		· lalle		who	L	57	-5//	<u> </u>	6-7	-/61	
TRANSPO	ORTER - DAI	VER SIGN	AFURE	WH# &	MO	YR EXP	PIRATION	i .	DATE		
20	the land	Alex.					><				
LANDFILL	WASTEIN!	SPECTOR :	SIGNAT	URE		10.	ACCEPTE	Ď	REJECTE		
		<u></u>		<u> </u>	27	10_	0/7	10_			
IWFIGHM	aster sign	VATURE		LICENS	# 1	<u>I</u>	DATE	F	TIMF IA	VI / PMI	
			i								



HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00

TICKET: 402931 DATE: 6/9/2010

TIME: 09:38:49 - 10:25:39

TRUCK: FCI777

CUSTOMER: 809/CABOT OIL & GAS CORPORATION

FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

GROSS: 81340 LBS Scale

TARE: 35740 LBS Scale

PROFILE: CAB2 244H WELL - CABOT OIL & GAS GENERATOR 111/CABOT OIL & GAS CORP

GRID: 2999/N 2998.68 E 11082.79 ELE 658.69

NET: 45600 LBS TONS: 22.80 TNS

COMMENT: /

MANIFEST: 157642

ORIGIN	MATERIALS & SERVICES	•	JANTITY RATE	AMOUNT	
58/SUSQUEHANNA	801/DRILLING RESIDUALS	100	22.80 @ \$29.50 per Ton	\$672.60	
			TOTAL FEES:	\$239.40	
			TOTAL AMOUNT:	\$912.00	

EES COMPRISED OF THE FOLLOWING:

DISPOSAL/SERVICES:	\$672.60
HOST COMMUNITY FEE: @ \$1.25 PER TON	\$28.50
PA RECYCLING FEE: @ \$2.00 PER TON	\$45.60
ENVIRONMENTAL STEWARDSHIP FEE: @ \$4.25 PER TON	\$96.90
HOST COUNTY FEE: @ \$3.00 PER TON	\$68.40

IN OPERATOR: TRACY - 066750

DRIVER: wed Jun 2010 08/09/10 10:25 37

OUT OPERATOR: TRACY - 066750

www.waynetwplandfill.com E-MAIL: ccswa@waynetwplandfill.com

CABOT-EPA 007621

DIM0228854 DIM0227454

				1	<u> </u>	i !			
Wayne Township Landfill PADE			Permit#1009	5 5	Residual	Waste Manife	est No	157642	
Generator Name Cabot Oil & Gas			Corporation		i I				
Generator Location 2H4H W			ELL-LAT414422	D3N	- LONG755400.7	4W - DIMOCK T	rwp - sus	QUEHANNA CTY	
Contact Name Chris Lowman		1		Cell# 412-580-	8659	Office#	412-249-3927		
Profile	CAB2	(3-lette	r code)	į	} +	Carrier FCI	(3-letter cod	te)	Truck# ファフ
Customer	Charge To	809	(3-dig	it number)	}	Origin 58	(2-digit num	ıber)	
WASTE				DESCRIPTIO	NO	F WASTE			PERCENTAGE
801	drilling res	iduals fro	m natura	gas well drilling	- V	TL EC#280344 - !	5/12/2010		100%
	-				<u> </u>	<u> </u>			ļ
	TOTAL PE	RCENTAG	t						100%
Generator Cer	rtification: I here	by certify tha	t the above s	amed material(s) is n	ot ba	zardous waste as define	d by CFR Part 261 or	any applicati	ie state
law, has been	properly describ	bed and packa	iged and is in	proper condition for	cans	portation according to a	pplicable regulations	s AND if the	waste is a
treatment res	idue of a previo	usly restricted	hazardous	vasta subject to the L	ndfil	Disposal Restriction, I	ertify and warrant to	hat the wast	e has
been treated	in accordance wi	ith the require	ements of 40	CFR 268 and is no lon	ger h	brardous as offined by	4G-CFR Part 251,		
) /	,		/	- Chan	S.	2	C) Am
GENERATOR SIGNATURE OF PERTIFIC				ATION / TITUE	~		D	ATE	
416	2001	nn (]	10	73	4 - 4/11			
TRANSPO	RTÉR - DRI	VER SIGN	ATURE	WH# &	ΜО	YR EXPIRATION		DATE	
600	·h In					\times			
LANDFILL	WASTEIN	SPECTOR	SIGNAT	URE		ACCEPTE	Ď, R	EJECTED	
		~	-	XXX	7)	6/9	110	10:2	3-5
WEIGHM	ASTER SIG	NATURE		HICENSI	#	DATE	т	INT IAM	/ PMI
			į						



HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00

TICKET: 402934 DATE: 6/9/2010

TIME: 09:54:49 - 10:37:38

TRUCK: ETGI 274

CUSTOMER: 809/CABOT OIL & GAS CORPORATION

FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

GROSS: 71780 LBS Scale

TARE: 42880 LBS Scale

PROFILE: CAB2 2H4H WELL - CABOT OIL & GAS GENERATOR 111/CABOT OIL & GAS CORP

NET: 28900 LBS 14.45 TNS TONS:

GRID: 2999/N 2998.68 E 11082.79 ELE 658.69

COMMENT: 4

ORIGIN	MATERIALS & SERVICES	PCT QU	JANTITY RATE	AMOUNT
58/SUSQUEHANNA	801/DRILLING RESIDUALS	100	14.45 @ \$29,50 per Ton	\$426.28
			TOTAL FEES:	\$151.72
			TOTAL AMOUNT:	\$578.00

EES COMPRISED OF THE FOLLOWING:

DISPOSAL/SERVICES:	\$426.28
HOST COMMUNITY FEE: @ \$1.25 PER TON	\$18,06
PA RECYCLING FEE: @ \$2.00 PER TON	\$28.90
ENVIRONMENTAL STEWARDSHIP FEE: @ \$4.25 PER TON	\$61.41
HOST COUNTY FEE: @ \$3.00 PER TON	\$43.35

IN OPERATOR: TRACY - 066750

OUT OPERATOR: TRACY - 066750 DRIVER: Wed Jun 2010 08/08/10 10 37:37

www.waynetwplandfill.com E-MAIL: ccswa@waynetwplandfill.com

CABOT-EPA 007623

				1	1.	i				
Wayne Township Landfill PADE			Permit#100	955	5 Residual Waste Manifest No					
Generator Name Cabot Oil & Gas		Corporation								
Generator Location 2H4H W		ELL-LAT41442	2.031	- LONG	755400.7	4W - DIM	OCK TWP - SU	SQUEHANNA CTY		
Contact Name		Chris Lov	vman			Cell#	412-580-	8659	Office	# 412-249-3927
Profile	CAB2	(3-letter	code)	i [C arrier		_{3-lette	r code)	Truck# 2-14
Customer/	Charge To	809	(3-dig	it number)		Origin	58	(2-digit	number)	
WASTE				DESCRIPTION	DESCRIPTION OF WASTE					
801	drilling res	iduals from	natura	gas well drillin	าย - V	VTL EC#	280344 - 5	5/12/2010)	1009
						1				
	TOTAL PE	RCENTAGE	Ξ .			Ĭ				1009
Generator Cer	tification: I here	by certify that	the above	amed material(s) is	not ha	zardous w	aste as define	d by CFR Part	261 or any applica	ble state
law, has been properly described and packaged and is in proper cond				proper condition fo	rrans	portation :	according to a	pplicable regu	lations AND if the	waste is a
treatment resi	due of a previo	usly restricted h	azardous v	vaste subject to the	Landfi	Disposal I	Restriction, 1 c	ertify and wa	rrant that the was	te has
been treated i	been troofed in accordance with the requirements of of CFR 268 and is no longer hazardous as defined by 40 CFR Part 261.									
1	en Will	4						·		
GENERATOR SIGNATURE OF CERTIFICAT			ATION / TITLE		į		,			
Un	12 E	ale	w	1451	1	FEB	2011	n et-t	(0-4	(-10)
TRANSPO	RTER - DRI	VER SIGN	ATURE	`WH# &	MO	/YR EX	PIRATION	1	DATE	
Sex	1 h	ale.					X_			
LANDFILL	WASTE IN	SPECTOR S	SIGNAT	URE			ACCEPTE)	REJECTED	· _
L				$ \alpha$	Q.	150	(0/9	1110	10:	ξ)
WEIGHM	ASTER'SIG	VATURE	!	LICENS	F#	l	DATE		TIMETAL	/ PMI



3OX 209, MCELHATTAN, PA 17748 PHONE: 570-769-6977 FAX: 570-769-7366

HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00

TICKET: 402935 DATE: 6/9/2010

TIME: 09:57:15 - 10:41:31

TRUCK: 269

CUSTOMER: 809/CABOT OIL & GAS CORPORATION

FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

GROSS: 64540 LBS Scale

TARE:

TARE: 36780 LBS Scale
NET: 27760 LBS

PROFILE: CAB2 2H4H WELL - CABOT OIL & GAS GENERATOR 111/CABOT OIL & GAS CORP

GRID: 2999/N 2998.68 E 11082.79 ELE 658.69 COMMENT:

TONS:

13.88 TNS

ORIGIN	MATERIALS & SERVICES	PCT QUA	NTITY RATE	AMOUNT
58/SUSQUEHANNA	801/DRILLING RESIDUALS	100	13.88 @ \$29.50 per Ton TOTAL FEES: TOTAL AMOUNT:	\$409.46 \$145.74 \$555.20

EES COMPRISED OF THE FOLLOWING:

DISPOSAL/SERVICES:	\$409,46
HOST COMMUNITY FEE: @ \$1.25 PER TON	\$17.35
PA RECYCLING FEE: @ \$2.00 PER TON	\$27.76
ENVIRONMENTAL STEWARDSHIP FEE: @ \$4.25 PER TON	\$58,99
HOST COUNTY FEE: @ \$3,00 PER TON	\$41.64

IN OPERATOR: TRACY - 066750

DRIVER: Wad Jun 2010 08/08/10 10 41:28

OUT OPERATOR: TRACY - 066750

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CABOT-EPA 007625

DIM0228858 DIM0227454

			•								•		
Wayne To	wnship Lar	ndfill	PADE	Permit	#10099	5		Residua	l Wa	ste Mar	ifest No		
Generator	r Name	Cabot Oi	& Gas	Corporat	ion								
Generator	Location		2H4H W	ELL-LAT4	14422.	031	- LONG	755400.	74W	- DIMOC	K TWP - S	SUSQUEF	IANNA CTY
Contact N	ame	Chris Lov	vman	1	. }		Cell#	412-580	0-865	9	Offic	e# 412-	249-3927
Profile	ÇAB2	(3-letter	code)		Ì	1	Carrier		. {3	-letter d	ode)	Tt	uck# 269
Customer/	Charge To	809	(3-dig	it numbe	er)		Origin	58	(2	-digit n	umber)		
WASTE				DESCR	RIPTIO	10	F WAST	Έ				P	ERCENTAGE
801	drilling resi	duals from	natura	gas well-	drilling	- 11	TL EC#Z	80344 -	5/12	/2010			1009
	TOTAL PE	RCENTAGE											100%
law, has been p treatment resi	tification: 1 here properly describ idue of a previou	ed and packag	ed and is in	proper cond	lition for t	rans ndfil	oortation a Disposal R	ecarding to	applica I certify	ble regulat	ions AND if t	he waste is	3
amo	n accordance wi	1				ger h	stardous a	s defined by	y 40 CFF	l Part 261.	5-9-	10	
1/1/	OR SIGNAT				451	1	Eb 20	11			DATE 6-9	1/)	
50	RTER - DRI	1			H# &	VIO		PIRATIO	·		DATE		
LANDFILL	WASTEIN	SPECTOR!	SIGNAT	URE (Xao	7	i '	ACCEPTI OF	(/()		REJECTI	ED /	
WEIGHM	ASTER SIGI	VATURE		t i	CENSE	#		DAT	F		TIME I	M / PM	1)

DIM0227454



. BOX 209, MCELHATTAN, PA 17748 PHONE: 570-769-6977 FAX: 570-769-7366

HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00

TICKET: 402941 DATE: 6/9/2010

TIME: 10:01;23 - 10:49:18

TRUCK: 252

CUSTOMER: 809/CABOT OIL & GAS CORPORATION

FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

GROSS: 80560 LBS Scale

TARE: 41980 LBS Scale NET: 38580 LBS

TONS: 19.29 TNS

PROFILE: CAB2 2H4H WELL - CABOT OIL & GAS

GENERATOR 111/CABOT OIL & GAS CORP

GRID: 2999/N 2998,68 E 11082.79 ELE 658.69

COMMENT:

ORIGIN	MATERIALS & SERVICES	PCT	QUANTITY RATE	AMOUNT
58/SUSQUEHANNA	801C/DRILLING RESIDUALS - C	100	19.29 @ \$35.50 per Ton	\$684.80
			TOTAL FEES:	\$86.80
			ΤΟΤΔΙ ΔΜΟΙΙΝΉ:	\$771.60

EES COMPRISED OF THE FOLLOWING:

DISPOSAL/SERVICES:	\$684.80
HOST COMMUNITY FEE: @ \$1.25 PER TON	\$24.11
ENVIRONMENTAL STEWARDSHIP FEE: @ \$0.25 PER TON	\$4.82
HOST COUNTY FEE: @ \$3.00 PER TON	\$57.87

IN OPERATOR: TRACY - 066750

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CABOT-EPA 007627

				ı		ı	;						
				ĺ									
Mayne To	wnship Lar	ndfili	PADE	Perm	it#1009	55		Residual	Waste	Manife	st No		
Generator	-	Cabot Oil				Ţ	į	.,					
Generator						חזע	LONG	755400 7	AW - DIE	MOCKT	WP - SHS	QUEHANNA	CTY
1	-	_		L.LL.	[-11-4-2-		i	412-580		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		412-249-39	
Contact N		Chris Lov		,				412-300				Truck#	200 E
Profile	CABZ	_{3-letter				1	Carrier		 `	ter cod	•	Truck#_	
Customer/	Charge To	809	(3-dig	it num		ļ	Origin	58	(Z-dig	it numl	ber)	·	
WASTE					CRIPTIO	-						PERCEN	TAGE
801/	drilling resi	duals from	natural	gas we	ell drilling	- W	TL EC#2	80344 - !	5/12/20:	10			100%
	ILAROL	ROI (JAN.										
	TOTAL PE	REENTAGE	Ē										100%
Generator Cer	tification: I here!	by certify that	the above	amed ma	sterial(s) is n	ot ha	ardous wa	ste as define	d by CFR Pa	art 261 or a	ny applicabl	e state	
law, has been	properly describ	ed and packag	ed and is id	proper c	ondition for	trans	portation a	ccording to a	ppilcable ri	egulations.	AND if the w	aste is a	
1	due of a previou		·			1 1		-		-			
1	n accordance wi					l i			-				
	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	ar are response		2,7,240				, nemiec 21					
GENERAT	OR SIGNAT	TIRE OF C	EPTIEIC	ATION	/ TITLE	 				D/	ATE		
	a Will		LIXIII /C		1 11125					<i>D</i> ,	412		
TRANSPO	RTER - DRI	VER SIGNA	ATURE		WH# &	ма	YR EX	PIRATION	1	D	ATE	<i>y 1</i>	1 .
FIG	I =	on po		/	145	Pi	2	12011				6/9	(10)
LANDFILL	WASTEIN	SPECTOR S	SIGNAT	ÚRE	~		3(1)	ACCEPTE	D /10	RE	JECTED	10:45	
1						10	<u> </u>	00	UTIL	/		/	
IWFIGHM	ASTER SIGN	VATURE	!		LICENS	F#		DATE	•	TI	MFIAM	/ PMI	
2001	(Office	22 3		•				\times					



BOX 209, MCELHATTAN, PA 17748 PHONE: 570-769-6977 FAX: 570-769-7366

HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00

TICKET: 403087 DATE: 6/10/2010

TIME: 07:45:45 - 08:34:06

TRUCK: FCI 797

CUSTOMER: 809/CABOT OIL & GAS CORPORATION

FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

GROSS: 43520 LBS Scale

36740 LBS Scale TARE:

NET: 6780 LBS

PROFILE: CAB2/ 2H4H WELL-GENERATOR 111/CABOT OIL & GAS CORP 2H4H WELL - CABOT OIL & GAS

TONS: 3.39 TNS

GRID: 3000/N2998.68, E11082.79, ELE662.07

COMMENT:

MANIFEST: 219633

ORIGIN	MATERIALS & SERVICES	PCT QUAN	ITITY RATĘ	AMOUNT
58/SUSQUEHANNA	801C/DRILLING RESIDUALS - C	100	3.39 @ \$35.50 per Ton	\$120.35
			TOTAL FEES:	\$15.26
			TOTAL AMOUNT:	\$135.61

FEES COMPRISED OF THE FOLLOWING:

\$120.35 DISPOSAL/SERVICES: HOST COMMUNITY FEE; @ \$1,25 PER TON \$4.24 ENVIRONMENTAL STEWARDSHIP FEE: @ \$0.25 PER TON \$0.85 HOST COUNTY FEE: @ \$3.00 PER TON \$10.17

IN OPERATOR: TRACY - 066750

OUT OPERATOR: JESSICA - 70953

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CABOT-EPA 007629



PO BOX 209, MCELHATTAN, PA 17748 PHONE: 570-769-6977 FAX: 570-769-7366

HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00

TICKET: 403087 DATE: 6/10/2010

TIME: 07:45:45 - 08:34:06

TRUCK: FCI 797

CUSTOMER: 809/CABOT OIL & GAS CORPORATION

FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

GROSS: 43520 LBS Scale

TARE: 36740 LBS Scale NET: 6780 LBS

PROFILE: CAB2 2H4H WELL - CABOT OIL & GAS GENERATOR NUCABOT OIL & GAS CORP

TONS:

3.39 TNS

GRID: DQ2/N 2945.84 E 11264.02 ELE 656.69 COMMENT:

MANIFEST: 219633

ORIGIN

MATERIALS & SERVICES

PCT QUANTITY RATE

AMOUNT

58/SUSQUEHANNA

/DRILLING RESIDUALS

3.39 @ \$29.50 per Ton

\$100.01

TOTAL FEES:

\$35.60

TOTAL AMOUNT:

\$135.61

FEES COMPRISED OF THE FOLLOWING

DISPOSAL/SERVICES:

HOST COMMUNITY FEE: @ \$1.25 PER TON PA RECYCLING FEE: @ \$2,00 PER TON

ENVIRONMENTAL STEWARDSHIP FEE: @ \$4.25 PER TON

\$100.01

\$4.24 \$6.78

\$14.41 \$10.17

HOST COUNTY FEE: @ \$3.00 PER TON

IN OPERATOR: TRACY - 066750

DRIVER: Thu Jun 2010 68/10/10 06 34 03

OUT OPERATOR: JESSICA - 70953

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CABOT-EPA 007630

Wayne Township Landfill PADEP Permit#100955 Residual Waste N	Nanifest No 219633
Generator Name Cabot Oil & Gas Corporation	
Generator Location 2H4H WELL-LAT414422.03N - LONG755400.74W - DIM	OCK TWP - SUSQUEHANNA CTY
Contact Name Chris Lowman Cell# 412-580-8659	Office# 412-249-3927
Profile - CAB2 (3-letter code) Carrier (3-lette	er code) Truck# 797
Customer/Charge To 809 (3-digit number) Origin 58 (2-digit	t number)
WASTEN DESCRIPTION OF WASTE	PERCENTAGE
804 drilling residuals from natural gas well drilling - WTL EC#280344 - 5/12/2010	1009
JIHA UMUND + aarbasa	り
TOTAL PERCENTAGE	1009
Generator Certification: I hereby certify that the above pamed material(s) is not hazardous waste as defined by CFR Part	: 261 or any applicable state
law, has been properly described and packaged and is in proper condition for transportation according to applicable regi	ulations AND if the waste is a
treatment residue of a previously restricted hazardous waste subject to the Landiy Disposal Restriction, I certify and wa	arrant that the waste has
been treated in accordance with the requirements of 40 CFR 268 and Linno longer hazardous as defined by 40 CFR Part 26	61.
	6-7-200
GENERATOR SIGNATURE OF CERTIFICATION / TITLE	DATE
FCI Xobert Duil Who 159 5/11	(0-0-10
TRANSPORTER PRIVER SIGNATURE WH# & MO/YR EXPIRATION	DATE
K ALL	
LANDFILL WASTE INSPECTOR SIGNATURE	REJECTED 8:34
WEIGHMASTER SIGNATURE LICENSE# DATE	TIME LAW ! DAY
\bigvee :	



PO BOX 209, MCELHATTAN, PA 17748 PHONE: 570-769-6977 FAX: 570-769-7366

HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00

TICKET: 403089 DATE: 6/10/2010

TIME: 07:48:16 - 08:36:29

TONS:

TRUCK: FCI 777

CUSTOMER: 809/CABOT OIL & GAS CORPORATION

FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

GROSS: 40440 LBS Scale

TARE: 36780 LBS Scale NET: 3660 LBS

1.83 TNS

PROFILE: CAB2 2H4H WELL - CABOT OIL & GAS

GENERATOR 111/CABOT OIL & GAS CORP

GRID: 3000/N2998.68, E11082.79, ELE662.07

COMMENT:

DIM0227454

ORIGIN	MATERIALS & SERVICES	PCT QUAN	ITITY RATE	AMOUNT
58/SUSQUEHANNA	801C/DRILLING RESIDUALS - C	100	1.83 @ \$35.50 per Ton	\$64.97
			TOTAL FEES:	\$8.24
			TOTAL AMOUNT:	\$73.21

FEES COMPRISED OF THE FOLLOWING:

DISPOSAL/SERVICES:	\$64.97
HOST COMMUNITY FEE: @ \$1.25 PER TON	\$2.29
ENVIRONMENTAL STEWARDSHIP FEE: @ \$0.25 PER TON	\$0.46
HOST COUNTY FEE: @ \$3.00 PER TON	\$5.49

IN OPERATOR: TRACY - 066750

DRIVER: Thu Jun 2010 Dest Dri D 08:35:26 OUT OPERATOR: JESSICA - 70953

www.waynetwplandfill.com E-MAIL: ccswa@waynetwplandfill.com

DIM0228865



BOX 209, MCELHATTAN, PA 17748 PHONE: 570-769-6977 FAX: 570-769-7366

HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00

TICKET: 403089 DATE: 6/10/2010

TIME: 07:48:16 - 08:36:29

TRUCK: FCI 777

CUSTOMER: 809/CABOT OIL & GAS CORPORATION

FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

GROSS: 40440 LBS Scale

TARE: 36780 LBS Scale

2H4H WELL - CABOT OIL & GAS PROFILE: CAB2 GENERATOR 111/CABOT OIL & GAS CORP

GRID: DQ2/N 2945.84 E 11264.02 ELE 656.69

COMMENT:

NET: 3660 LBS TONS: 1.83 TNS

ORIGIN MATERIALS & SERVICES

Oldeliii	(12 94 25 127 12 00 D211, 10
58/SUSQUEHANNA	80 NDRILLING RESIDUA
20/20/20/20/20/20/20/20/20/20/20/20/20/2	opigation in telephone

PCT QUANTITY RATE

AMOUNT

1.83 @ \$29.50 per Ton \$53.99

TOTAL FEES: \$19.22 TOTAL AMOUNT: \$73,21

EES COMPRISED OF THE FOLLOWING:

DISPOSAL/SERVICES:

HOST COMMUNITY FEE: @ \$1.25 PER TON

PA RECYCLING FEE: @ \$2.00 PER TON

ENVIRONMENTAL STEWARDSHIP FEE: @ \$4.25 PER TON HOST COUNTY FEE: @ \$3.00 PER TON

\$53.99

\$2.29

\$3,66

\$7.78

\$5.49

IN OPERATOR: TRACY - 066750

OUT OPERATOR: JESSICA - 70953

www.waynetwplandfill.com E-MAIL: ccswa@waynetwplandfill.com

CABOT-EPA 007633

			ĺ		
Wayne Township Lar	ndfill PADE	Permit#1009	55	Residual Waste Manifest No	157640
Generator Name	Cabot Oil & Gas	Corporation	ļ		
Generator Location	2H4H W	ELL-LAT414422.	рзи	- LONG755400.74W - DIMOCK TWP - SUS	QUEHANNA CTY
Contact Name	Chris Lowman			Cell# 412-580-8659 Office#	412-249-3927
Profile CAB2	(3-letter code)	-	,	Carrier FCZ (3-letter code)	Truck# 777
Customer/Charge To	809 (3-dig	it number)		Origin 58 (2-digit number)	
WASTE A		DESCRIPTION	10	F WASTE	PERCENTAGE
801 Urilling resi	duals from natura	gaswell drilling	- V	/TL EC#280344 - 5/12/2010	100%
Ů Ú	nin		}	Oal bage	
TOTAL PER	RCENTAGE				100%
Generator Certification:) hereb	y certify that the above	amed material(s) is n	ot ha	cardous waste as defined by CFR Part 261 or any applicable	e state
law, has been properly describe	ed and packaged and is in	proper condition for	trans	portation according to applicable regulations AND if the w	raste is a
· ·				Disposal Restriction, I certify and warrant that the waste	has
been treated in accordance wit	th the requirements of 40	CSH 268 and is no for	ger h	azardous as defined by 40 CER Party 61.	
GENERATOR SIGNAT	URE OF CERTIFIC	ATION / TITLE	4	- 4/11 DATE/9	
TRAMSPORTER - DRIN	VER SIGNATURE	WH# &	МO	YR EXPIRATION . DATE	
Chang to	elesi				
LANDFILL WASTE INS	PECTOR SIGNAT	URE	25	3 ACCEPTED O-10-10	3:36
WEIGHMASTER SIGN	IATURF	LICENSI	#	DATE TIME IN	JOMI

DIM0227454



BOX 209, MCELHATTAN, PA 17748 PHONE: 570-769-6977 FAX: 570-769-7366 HOURS: M-F 7:00 - 4:00 \$ 7:00 - 12:00 TICKET: 403110 DATE: 6/10/2010

TIME: 09:34:31 - 10:04:29

TRUCK: ETGI 269

CUSTOMER: 809/CABOT OIL & GAS CORPORATION

FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

GROSS: 71560 LBS Scale

TARE: 37000 LBS Scale

PROFILE: CAB2 244H WELL - CABOT OIL & GAS GENERATOR 111/CABOT OIL & GAS CORP

GRID: DC2/N 2945.84 E 11264.02 ELE 656.69

COMMENT:

NET: 34560 LBS TONS: 17,28 TNS

ORIGIN	MATERIALS & SERVICES	PCT Q	UANTITY RATE	AMOUNT
58/SUSQUEHANNA	801/DRILLING RESIDUALS	100	17.28 @ \$29.50 per Ton TOTAL FEES:	\$509.76 \$181.44
			TOTAL AMOUNT:	\$691.20

EES COMPRISED OF THE FOLLOWING:

DISPOSAL/SERVICES:	\$509.76
HOST COMMUNITY FEE: @ \$1.25 PER TON	\$21.60
PA RECYCLING FEE: @ \$2,00 PER TON	\$34.56
ENVIRONMENTAL STEWARDSHIP FEE: @ \$4.25 PER TON	\$73.44
HOST COUNTY FEE: @ \$3.00 PER TON	\$51.84

IN OPERATOR: JESSICA - 70953

DRIVER: Thu Jun 2010 Den 0/10 10:04:28 OUT OPERATOR: JESSICA - 70953

www.waynetwplandfill.com E-MAIL: ccswa@waynetwplandfill.com

CABOT-EPA 007635

				j						
Wayne To	ownship La	ndfill	PADE	Permit#1009	55		Residual	Waste M	anifest No	
Generato	r Name	Cabot O	il & Gas	Corporation	İ					
Generator	Location		2H4H W	ELL-LAT414422.	031	- LONG	755400.7	4W - DIM	OCK TWP - SUS	QUEHANNA CTY
Contact N	lame	Chris Lo	wman			Cell#	412-580-	8659	Office#	412-249-3927
Profile	CAB2	(3-letter	code)		1	Carrier		(3-lette	r code)	Truck# 26 7
Customer	Charge To	809	(3-dig	it number)		Origin	58	(2-digit	number)	
WASTE				DESCRIPTION	V O	F.WAST	E			PERCENTAGE
801	drilling res	iduals fron	n natural	gas well drilling	- V	VTL EC#2	80344 - 5	5/12/2010		100%
	TOTAL PE	RCENTAG	E							100%
Generator Cer	tification: I here	by certify that	the above	ramed material(s) is a	ot ha	tardous was	ite as define	d by CFR Part	261 or any applicabl	e state
law, has been	properly descri	bed and packa	ged and is in	proper condition for	trans	portation a	cording to a	ppiicable regu	lations AND if the w	astą is a
treatment res	idue of a previo	usly restricted	hazardous	vasta subject to the la	ndfil	Disposal R	estriction, 1 c	ertify and wa	rrant that the waste	has
been treated	n accordance 10	it! The require	ments of 4d	CFR 268 and is no lon	gerh	azardous as	defined by 4	O CFR Part 26	1. P16	,
Leec						<u></u>			6-10-11	"
GENERAT	onsign#	EURE OF C	ERTIFIC	ATION / TITLE	أ ر.	771	and		DATE	.l en
A.A	145	1		142	/_	re	doll		6-10-	10
TRANSPO	RTER - DR	IVER SIGN	ATURE	WH# &	VΙΟ	YR EXP	IRATION	i	DATE	
200	11/1/2	A.					\rightarrow			
	WASTEIN	M	SIGNAT	URE		53	CCEPTE	1-10-	DEJECTED	10:01
WEIGHM	ASTER SIG	NATURE	Ţ	LICENSE	#		DATE		TIME IAM	1)OM
		j		İ						/



. J BOX 209, MCELHATTAN, PA 17748 PHONE: 570-769-6977 FAX: 570-769-7366 HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00 TICKET: 403446 DATE: 6/11/2010

TIME: 16:26:41 - 17:07:49

TONS:

TRUCK: EMP 249

CUSTOMER: 809/CABOT OIL & GAS CORPORATION

FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

GROSS: 64800 LBS Scale

TARE: 40880 LBS Scale NET: 23920 LBS

11.96 TNS

PROFILE: CAB2/ 2H4H WELL - CABOT OIL & GAS GENERATOR 111/CABOT OIL & GAS CORP

GRID: DC2/N 2945.84 E 11264.02 ELE 656.69

COMMENT:

ORIGIN MATERIALS & SERVICES PCT QUANTITY RATE AMOUNT

58/SUSQUEHANNA 801/DRILLING RESIDUALS 100 11.96 @ \$29.50 per Ton \$352.82

TOTAL FEES: \$125.58
TOTAL AMOUNT: \$478.40

FEES COMPRISED OF THE FOLLOWING:

DISPOSAL/SERVICES:	\$352.82
HOST COMMUNITY FEE; @ \$1.25 PER TON	\$14.95
PA RECYCLING FEE: @ \$2.00 PER TON	\$23.92
ENVIRONMENTAL STEWARDSHIP FEE: @ \$4.25 PER TON	\$50.83
HOST COUNTY FEE: @ \$3.00 PER TON	\$35.88

IN OPERATOR: JESSICA - 70953

DRIVER: Fri Jun 2010 08/11/10 17:07:47 OUT OPERATOR; JESSICA - 70953

www.waynetwplandfill.com E-MAIL: ccswa@waynetwplandfill.com

CABOT-EPA 007637

Wayne To	wnship Lai	ndfill	PADEP Permit	#100955	Residua	Waste Ma	nifest No	
Generato	•		& Gas Corpora	tion				
Generator	QUEHANNA CTY							
Contact N		Chris Lov			# 412-580			412-249-3927
Profile				Carri		(3-letter		Truck# 249
		• •	•			 -		. rucky Zop j
Customer	Charge 10	809	(3-digit numb			(2-digit n	umperj	
WASTE	İ		DESC	RIPTION OF WA	STE			PERCENTAGE
801	drilling resi	duals from	natural gas well	drilling - WTL E	C#280344 -	5/12/2010		100%
	·	· u						
l	TOTAL PE	RCENTAGE						100%
Generator Cer	tification: there	ov certify that	the above named mate	real(s) is not hazardou	waste as defini	ed by CFR Part 26	of any applicable	2 513fe
•		•	ed and is in proper con	• •		•		
1		, ,	acardous waste subjec		-			
1			nonts of 40 CFR 268	//				1187
joeen treated	in accordance wi	in the requirer	GORES OF 40 CFR 288	no longer yazardo	из аз веплио ву	11-	200	
CENERAT	DR CICNIA 7	THE OF C	ERTIFICATION /	7177			DATE	
GENERA	ON SIGNAL	UKE OF C	EKTIPICATION	11122			DATE	
TRANSPO	STER - DRI	VER SKIN	ATURE V	VH# & MO/YR	EXPIRATION	N.	DATE	
1110		1)	L Ruger	ر 40	ne/20	10		
LANDFILL	WASTE IN	SPECTOR!	IGNATURE	4	ACCEPT, E	D /	REJECTED	?
`	1		· (70000	(10)	11/10	5.0	,
WEIGHM	ASTER SIGI	JATURE		ICENSES	DAT	F.	TIME IAM	/ PMI



J BOX 209, MCELHATTAN, PA 17748 PHONE: 570-769-6977 FAX: 570-769-7366 HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00 TICKET: 403445 DATE: 6/11/2010

TIME: 16:25:35 - 17:04:18

TRUCK: DEL 214

CUSTOMER: 809/CABOT OIL & GAS CORPORATION

FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

GROSS: 71660 LBS Scale

TARE: 46460 LBS Scale NET: 25200 LBS

PROFILE: CAB2/ 2H4H WELL - CABOT OIL & GAS GENERATOR 111/CABOT OIL & GAS CORP

GRID: DC2/N 2945.84 E 11264.02 ELE 656.69

TONS: 12.60 TNS

COMMENT:

MANIFEST: 251

ORIGIN	MATERIALS & SERVICES	•	ANTITY RATE	AMOUNT
58/SUSQUEHANNA	801/DRILLING RESIDUALS	100	12.60 @ \$29.50 per Ton	\$371,70
			TOTAL FEES:	\$132,30
			TOTAL AMOUNT:	\$504.00

FEES COMPRISED OF THE FOLLOWING:

DISPOSAL/SERVICES:	\$371.70
HOST COMMUNITY FEE: @ \$1.25 PER TON	\$15.75
PA RECYCLING FEE: @ \$2.00 PER TON	\$25.20
ENVIRONMENTAL STEWARDSHIP FEE: @ \$4.25 PER TON	\$53.55
HOST COUNTY FEE; @ \$3.00 PER TON	\$37.80

IN OPERATOR: JESSICA - 70953

www.waynetwplandfill.com E-MAIL: ccswa@waynetwplandfill.com

CABOT-EPA 007639

,	wnship La	ndfill	PADEP Permit#1009	955 R	esidual	Waste Ma	nifest No		
Generator	r Name	Cabot Oi	I & Gas Corporation						14
Generator	Location		2H4H WELL-LAT414422	1.03N - LONG7	55400.7	4W - DIMC	CK TWP - S	usquehann	A CTY
Contact N	lame	Chris Lov	vman	Cell# 4	12-580	-8659	Office	e# 412-249-1	3927
Profile	CAB2	[3-letter	code)	Carrier		_(3-letter	code)	Truck#	RIX
Customer/	Charge To	809	(3-digit number)	Origin	58	(2-digit	number)		
WASTE			DESCRIPTIO	N OF WASTE				PERCE	NTAGE
801	drilling res	iduals from	n natural gas well drillin	g - WTL EC#28	10344 -	5/12/2010		i	100%
	TOTAL PE	RCENTAGE	Ē						100%
Generator Cert	tification: I here	by certify that	the above named material(s) is:	not hazardous wast	te as define	d by CFR Part 2	61 or any appli	able state	
			the above named material(s) is ted and is in proper condition fo				, -, -		
law, has been I	properly describ	ed and packag	•	r transportation acc	cording to a	pplicable regul	tuons AND If th	6 waste 15 6	
law, has been p treatment resid	properly describ	ed and packag	sed and is in proper condition fo	r transportation acc andfill Disgosal Re	cording to a	pplicable regul	ations AND if the	6 waste 15 6	7 J
law, has been p treatment resid	properly describ	ed and packag	ged and is in proper condition for hazardous wasta subject to the t	r transportation acc andfill Disgosal Re	cording to a	pplicable regul	ations AND if the	6 waste 15 6)]
law, has been j treatment resid been treated in	properly describ due of a previou n accordance wi	ed and packag usly restricted I th the requirer	ged and is in proper condition for hazardous wasta subject to the t	r transportation acc andfill Disgosal Re	cording to a	pplicable regul	ations AND if the	6 waste 15 6)]
law, has been j treatment resid been treated in	properly describ due of a previou n accordance wi	ed and packag usly restricted I th the requirer	ted and is in proper condition for hazardous wasta subject to the intents of 40 CFR 263 and might ERTIFICATION / TIPLE	transportation acc anofil Disposal Re- igensi Zurdous es s	striction, I	applicable regul certify and war 40 CFR Part 261	ations AND if the	6 waste 15 6)]
law, has been percent restended in the second desired in GENERATE	properly describ due of a previou n accordance wi	ned and packag usly restricted to the the requirer	ted and is in proper condition for hazardous wasta subject to the intents of 40 CFR 263 and might ERTIFICATION / TIPLE	r transportation acc andfill Disgosal Re	striction, I	applicable regul certify and war 40 CFR Part 261	ations AND if the	6 waste 15 6)]
law, has been percent restended in the second desired in GENERATE	properly describ idus of a previou n accordance wi	ned and packag usly restricted to the the requirer	ted and is in proper condition for hazardous wasta subject to the intents of 40 CFR 263 and might ERTIFICATION / TIPLE	transportation acc anofil Disposal Re- igensi Zurdous es s	striction, I	applicable regul certify and war 40 CFR Part 261	and that the wa	is waste is a liste has)]] :2051
law, has been interested in GENERATION TRANSPORT	properly describing of a previous naccordance with CORSIGNAT	and packages and packages and packages and package and	ted and is in proper condition for hazardous wasta subject to the intents of 40 CFR 263 and might ERTIFICATION / TIPLE	ronsportation acc andfil Disposal Re- inger systemous as a MO/YR EXPI	striction, I	ipplicable reguli certify and war 10 CFR Part 261 VH IU	and that the wa	is waste is a liste has)]]
law, has been interested in GENERATION TRANSPORT	properly describing of a previous naccordance with CORSIGNAT	and packages and packages and packages and package and	ted and is in proper condition for hazardous wasta subject to the innents of 40 CFR 263 and most extraction of the condition	ronsportation acc andfil Disposal Re- inger systemous as a MO/YR EXPI	striction, I is defined by FATION	ipplicable reguli certify and war 10 CFR Part 261 VH IU	DATE	is waste is a liste has)]



__ BOX 209, MCELHATTAN, PA 17748 PHONE: 570-769-6977 FAX: 570-769-7366 HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00 TICKET: 403313 DATE: 6/11/2010

TIME: 09:47:40 - 10:37:44

TRUCK: ETGI 252

CUSTOMER: 809/CABOT OIL & GAS CORPORATION

FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

GROSS: 65160 LBS Scale

TARE: 41940 LBS Scale

PROFILE: CAB2 244H WELL - CABOT OIL & GAS GENERATOR 111/CABOT OIL & GAS CORP NET: 23220 LBS TONS: 11.61 TNS

GRID: DC2/N 2945.84 E 11264.02 ELE 656.69

COMMENT:

ORIGIN	MATERIALS & SERVICES	PCT QUA	NTITY RATE	AMOUNT
58/SUSQUEHANNA	801/DRILLING RESIDUALS	100	11.61 @ \$29.50 per Ton	\$342.50
			TOTAL FEES:	\$121.90
			TOTAL AMOUNT:	\$464.40

EES COMPRISED OF THE FOLLOWING:

DISPOSAL/SERVICES:	\$342.50
HOST COMMUNITY FEE: @ \$1,25 PER TON	\$14.51
PA RECYCLING FEE: @ \$2.00 PER TON	\$23.22
ENVIRONMENTAL STEWARDSHIP FEE: @ \$4.25 PER TON	\$49.34
HOST COUNTY FEE: @ \$3.00 PER TON	\$34.83

IN OPERATOR: JESSICA - 70953

DRIVER: Frl Jun 2010 00/11/10 10:37:42 OUT OPERATOR: JESSICA - 70953

www.waynetwplandfill.com E-MAIL: ccswa@waynetwplandfill.com

CABOT-EPA 007641

Wayne T	/ayne Township Landfill PADEP Permit#100955 Residual Waste Manifest No								
Generate	or Name	Cabot Oil	& Gas Corpo	oration .					
Generato	r Location		ZH4H WELL-L	AT414422.03	N - LONG	3755400.7	4W - DIMO	ICK TWP - SUS	QUEHANNA CTY
Contact Name Chris Lowman Cell# 412-580-8659 Office#						412-249-3927			
Profile	CAB2	(3-letter	code)		Carrier		(3-letter	code)	Truck# 25 Z
Customer	/Charge To	809	(3-digit nu	mber)	Origin	58	(2-digit i	number)	
WASTE	1		DE	SCRIPTION C	OF WAS	TE			PERCENTAGE
801	drilling res	iduals from	natural gas v	vell drilling - \	NTL EC#	280344 - 5	5/12/2010		100%
	TOTAL PE	RCENTAGE							100%
Generator Co	ertification: I here	by certify that t	the above named r	naterial(s) is not by	azardous w	aste as define	d by CFR Part 2	61 or any applicable	e state
law, has bee	n procedy descri	ed and package	ed and is in proper	condition for tran	sportation	according to a	pplicable regul	ations AND if the w	este is a
treatment re	sidue of a previo	usly restricted h	azardous waste su	bject to the Landfi	il Osposal	Restriction, 1 c	ertify and wan	ant that the waste	has
been treated	in accordance w	ith the requiren	ments of 40 CFR 269	and is no longer	Mardan.	es profined by 4	O CFR Part 261		
						9	6	1-1/220	<u></u>
GENERA	TOR SIGNAT	TURE OF C	ERTIFICATIO	V/TITUE				DATE	
TRANSP	ORTER - DRI	VER SIGNA	ATURE	WH# & MC	YR EX	PIRATION	l	DATE	< A
ETC	91 /	m me	-Vector	1451	1.2/	20110		6	/11/10
LANDFIL	L WASTE IN	SPECTOR S	GNATTRE	11-3-1		ACCÉPTE	3	REJECTED	1 2
		Ance		000	Ω	10	1110		$I(C_{1}(1)\Gamma$
MIFIGHA	DASTED SIN	ulations		INFRISFE		DITTE	11 10	TIME IAM	J'DHA:
50%	MASS								



I - BOX 209, MCELHATTAN, PA 17748 PHONE: 570-769-6977 FAX: 570-769-7366 HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00

TICKET: 403305 DATE: 6/11/2010

TIME: 09:44:49 - 10:19:25

NET:

TONS:

TRUCK: ETGI 269

CUSTOMER: 809/CABOT OIL & GAS CORPORATION

FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

MATERIALS & SERVICES

801/DRILLING RESIDUALS

GROSS: 76700 LBS Scale

TARE: 37940 LBS Scale 38760 LBS

19.38 TNS

PROFILE: CAB2 2H4H WELL - CABOT OIL & GAS GENERATOR 111/CABOT OIL & GAS CORP

GRID: DC2/N 2945.84 E 11264.02 ELE 656.69

COMMENT:

58/SUSQUEHANNA .

ORIGIN

PCT QUANTITY RATE AMOUNT . 100 19.38 @ \$29.50 per Ton \$571.71 TOTAL FEES: \$203.50

TOTAL AMOUNT: \$775.21

JEES COMPRISED OF THE FOLLOWING:

DISPOSAL/SERVICES: \$571.71 HOST COMMUNITY FEE: @ \$1.25 PER TON \$24.23 PA RECYCLING FEE: @ \$2.00 PER TON \$38.76 ENVIRONMENTAL STEWARDSHIP FEE: @ \$4.25 PER TON \$82.37 HOST COUNTY FEE: @ \$3.00 PER TON \$58.14

IN OPERATOR: JESSICA - 70953

DRIVER: Frauer 2010 08/11/10 10:19 23 **OUT OPERATOR: JESSICA - 70953**

www.waynetwplandfill.com E-MAIL: ccswa@waynetwplandfill.com

CABOT-EPA 007643

Wayne Township Landfill PADEP Permit#100955 Res						l Waste Ma	nifest No		
Generato	r Name	Cabot Oi	l & Gas Corporation						
Generator	QUEHANNA CTY								
Contact N	ame	Chris Lov	vman	Cell	412-58	0-8659	Office#	412-249-3927	
Profile	CAB2	(3-letter	code)	Carrie	·	(3-letter	code)	Truck#	
Customer/	Charge To	809	(3-digit number)	Origin	58	(2-digit r	iumber)	7-0	
WASTE	,		DESCRIPT	TON OF WAS	TE			PERCENTAGE	
801	drilling res	iduals fron	natural gas well drii	ling - WTL EC	280344 -	5/12/2010		100%	
	TOTAL PE	RCENTAG	-					100%	
	n accordance w	th the require	hazardous waste subject to ti ments of 49 CFP 268 and is no	long		•		has /	
GENERAL SENTIURE OF CERTIFICATION / TIVE DATE 1451 Feb 2011 6-11-2010 TRANSPORTER - DRIVER SIGNATURE WHII & MOLYR EXPIRATION DATE									
	L)	2	7		X				
		XN	SIGNATURE (M3	ACCEPT	-11-10	REJECTED	10.19	
IWFIGHM	ASTER SIGI	UATYIRE -	LICE	AZEĦ	רמת	F	THAT AM) pins	



LOBOX 209, MCELHATTAN, PA 17748 PHONE: 570-769-6977 FAX: 570-769-7366 HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00 TICKET: 403296 DATE: 6/11/2010

TIME: 09:23:51 - 09:57:33

TRUCK: WM 411528

CUSTOMER: 809/CABOT OIL & GAS CORPORATION

FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

GROSS: 61460 LBS Scale

TARE: 36880 LBS Scale

PROFILE: CAB2 244H WELL - CABOT OIL & GAS
GENERATOR 111/CABOT OIL & GAS CORP

NET: 24580 LBS TONS: 12.29 TNS

GRID: DC2/N 2945,84 E 11264.02 ELE 656.69

COMMENT:

ORIGIN	MATERIALS & SERVICES	PCT Q	JANTITY RATE	AMOUNT
58/SUSQUEHANNA	801/DRILLING RESIDUALS	100	12.29 @ \$29.50 per Ton	\$362.56
			TOTAL FEES:	\$129.04
			TOTAL AMOUNT:	\$491.60

JEES COMPRISED OF THE FOLLOWING:

DISPOSAL/SERVICES:	\$362.56
HOST COMMUNITY FEE: @ \$1.25 PER TON	\$15.36
PA RECYCLING FEE: @ \$2.00 PER TON	\$24.58
ENVIRONMENTAL STEWARDSHIP FEE: @ \$4.25 PER TON	\$52.23
HOST COUNTY FEE: @ \$3.00 PER TON	\$36.87

IN OPERATOR: JESSICA - 70953

DRIVER: __F15 Jun 2010 00/11/10 00.07:32 OUT OPERATOR: JESSICA - 70953

www.waynetwplandfill.com E-MAIL: ccswa@waynetwplandfill.com

CABOT-EPA 007645

Wayne To	wnship La	ndfill	PADEP Pe	rmit#1009	955	Residua	l Waste M	lanifest No		
Generato	r Name	Cabot Oi	l & Gas Corp	poration			`			
Generator	Location		2H4H WELL	LAT414422	2.03N - LON	G755400.	74W - DIM	OCK TWP - SL	ISQUEHANNA	CTY
Contact N	lame	Chris Lov	wman		Cells	412-580	0-8659	Office	# 412-249-39	27
Profile	CABZ	(3-letter	code)	-	Carrie	r	(3-lette	r code)	Truck#	
Customer/	Charge To	809	(3-digit n	umber)	Origin	58	(2-digit	number)	· -	
WASTE			D	ESCRIPTIO	ON OF WAS	TE			PERCEN	TAGE
801	drilling res	iduals fron	n natural gas	well drillin	g - WTL EC	280344 -	5/12/2010			100%
	TOTAL PE	RCENTAG	E						;	100%
Generator Car	tification: I here	by certify that	the above named	material(s) is	not hezardous v	vaste as defin	ed by CFR Part	261 or any applica	bie state	
law, has been	properly describ	ed and packa	ged and is in prop	er condition fo	r transportation	according to	applicable regi	dations AND If the	: Waste 15 4	
treatment resi	idue of a previo	usly restricted	hazardous Waste	subject to the	Landfill Disposa	Residetion.	I certify and wa	rrant that the was	te has	
been treated i	n accordance wi	th the require	ments of 40 CFR 2	68 and is no lo	neo-recordous	s getined to	y 40 CFR Part 26	i <u>1.</u>		
·					-1	<u> </u>	6	-11-21	7/16	
GENERAT	OR SIGNAT	TURE OF C	ERTIFICATION	ON //TITLE			r	DATE	, , , , , , , , , , , , , , , , , , , ,	
-	Kousel	uen.		11436	2 24	ii		11 10		
TRANSPO	RTER - DRI	VER SIGN	ATURE	8 #HW	MO/YR EX	(PIRATIO	N	DATE		
X 5	Al Li	elek	Sans-			×				
LĂNDFILL	WASTE IN	SPECTOR	SIGNATURE	-77V	7-	ACCEPT	ED -	REJECTED	0.5	7
<u></u>	$\angle XYY$				10-	5(0-11-	W	4:0	1
WEIGHM	agtifr'sigi	VATIERF	_	LICENS	F#	DAT	F	TIME (AR	A) DALI	
•	()							_		



FO BOX 209, MCELHATTAN, PA 17748 PHONE: 570-769-6977 FAX: 570-769-7366 HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00 TICKET: 403266 DATE: 6/11/2010

TIME: 07:27:07 - 08:23:26

TRUCK: FCI 777

CUSTOMER: 809/CABOT OIL & GAS CORPORATION

FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

GROSS: 67640 LBS Scale

TARE: 34760 LBS Scale

PROFILE: CAB2/ 2H4H WELL - CABOT OIL & GAS NET: 32880 LBS GENERATOR 111/CABOT OIL & GAS CORP TONS: 16.44 TNS

GRID: DC2/N 2945.84 E 11264.02 ELE 656.69

COMMENT: MANIFEST: 157639

ORIGIN MATERIALS & SERVICES PCT QUANTITY RATE AMOUNT

58/SUSQUEHANNA 801/DRILLING RESIDUALS 100 16.44 @ \$29.50 per Ton \$484.98

TOTAL FEES: \$172.62
TOTAL AMOUNT: \$657.60

LEES COMPRISED OF THE FOLLOWING:

DISPOSAL/SERVICES:	\$484.98
HOST COMMUNITY FEE: @ \$1,25 PER TON	\$20.55
PA RECYCLING FEE: @ \$2.00 PER TON	\$32.88
ENVIRONMENTAL STEWARDSHIP FEE: @ \$4.25 PER TON	\$69.87
HOST COUNTY FEE: @ \$3.00 PER TON	\$49.32

IN OPERATOR: JESSICA - 70953

DRIVER: Fri Jun 2010 08/11/10 08:23:28 OUT OPERATOR: JESSICA - 70953

www.waynetwplandfill.com E-MAIL: ccswa@waynetwplandfill.com

CABOT-EPA 007647

				1									
Wayne T	ownship La	ndfill	PADE	Perm	nit#1009	\$5		Residua	i W	aste Ma	nifes	t No	157639
Generato	or Name	Cabot Oil	l & Gas	Corpo	ration		Ì						,
Generator	r Location		2H4H W	ELL-LA	T414422	180	- LONG	755400.	74W	- DIMO	CK TV	P-SU	SQUEHANNA CTY
Contact I	Name	Chris Lov	vman					413-580		59	(Office	¥ 412-249-3927
Profile	CABZ	(3-letter	code)			'	Carrier	FCI	(3-letter	code)	Truck# 777
Customer	/Charge To	809	(3-dig	it num	iber)		Origin	58	(2-digit n	umb	er)	
WASTE				DES	CRIPTIO	N O	F WAS	ΓE					PERCENTAGE
801	drilling res	iduals from	natura	gas w	ell drilling	- V	/TL EC#	280344 -	5/1	2/2010			100
	TOTAL PE	RCENTAGE	<u> </u>				!						100
Generator Ce	ertification: I here	by certify that t	the above i	amed ma	aterial(s) is n	ot ha	ardous w	aste as defin	red by	CFR Part 26	51 or an	y applical	ble state
law, has beer	properly descri	ed and package	ed and is in	proper c	ondition for	trans	portation :	according to	appli	cable regula	itions Al	ND if the	waste is a
treatment re	sidue of a previo	usly restricted h	nazardous	duz 9126v	ject to the L	ndfil	Discosal I	Exiletion,	l certi	fy and warr:	ant that	the wast	le has
been treated	in accordance w	ith the requiren	nents of 40	CFR 268	and is no lon	BOOT	2237(13US 2	defined by	40 C	FR Part 261.		ļ ,	
		//			-1			42			4	726	1-000
GENERA	TOR SIGNAT	DKE OF C	EKIHIG	AHON	INTE		. 70h	/	2))	/,	DA	E /	li. In
700000	ODTED DO	VED CICAL		>-	11111111111	9	7/27	2104710	<u> 77.</u>	//		6/	10/10
IKANSPU	OBTER - DRI	VER SIGNA	ATORE	l	WH# &	VIU	YKEX	PIRATIO	PV		DA	VIE.	•
LANDEN	L WASTE IN	CDCCTORA	ICNAT	IDE				ACCEPTE			200		
LAMPHL	VASIEIN	N TOK'S	SIGNA	JKE	\bigcirc 0	9	53	ACCEPTE	g-	1-1-10) KEII	ECTED	800
WEIGHN	AASTAR SIGI	VATURE			LICENSI	#		DAT	F		TIM	FIAN	PRAI
	\cup		;		ļ	:							•



LOBOX 209, MCELHATTAN, PA 17748 PHONE: 570-769-6977 FAX: 570-769-7366 HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00 TICKET: 403264 DATE: 6/11/2010

TIME: 07:24:15 - 08:18:35

TRUCK: FCI 797

CUSTOMER: 809/CABOT OIL & GAS CORPORATION

FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

GROSS: 62560 LBS Scale

TARE: 37100 LBS Scale NET: 25460 LBS

\$509.20

PROFILE: CAB2 244H WELL - CABOT OIL & GAS GENERATOR 111/CABOT OIL & GAS CORP

TONS:

NS: 12.73 TNS

GRID: DC2/N 2945.84 E 11264.02 ELE 656.69 COMMENT:

MANIFEST: 219634

TOTAL AMOUNT:

ORIGIN MATERIALS & SERVICES PCT QUANTITY RATE AMOUNT

58/SUSQUEHANNA 801/DRILLING RESIDUALS 100 12.73 @ \$29.50 per Ton \$375.54

TOTAL FEES: \$133.66

PEES COMPRISED OF THE FOLLOWING:

DISPOSAL/SERVICES:	\$375.54
HOST COMMUNITY FEE: @ \$1.25 PER TON	\$15.91
PA RECYCLING FEE: @ \$2.00 PER TON	\$25.46
ENVIRONMENTAL STEWARDSHIP FEE: @ \$4.25 PER TON	\$54.10
HOST COUNTY FEE: @ \$3,00 PER TON	\$38.19

IN OPERATOR: JESSICA - 70953

DRIVER: Fridum 2010 06/11/10 D8:18:33 OUT OPERATOR: JESSICA - 70953

www.waynetwplandfill.com E-MAIL: ccswa@waynetwplandfill.com

CABOT-EPA 007649

				!	1.	1						
Wayne T	ownship La	ndfill	PADE	Permit#:	100955	+	Residua	al Waste	Manife	st No	2196	
Generate	•		l & Gas	Corporatio	on						-	
Generato	r Location			1 '	- 1	IN - LON	IG755400.	74W - DI	моска	WP - SU	SQUEHANI	VA C.
Contact I	Name	Chris Lov	vman	 		Cell	# 412-58	0-8659		Office	# 412-249	3927
Profile	CAB2	(3-letter	code)			Carrie	r	(3-let	ter cod	le)	Truck	#797
Customer	/Charge To	809	(3-dig	it number	}	Origin	58	(2-di	git num	ber)		
WASTE				DESCRI	PTION	OF WA	STE				PERC	ENTAGE
801	drilling res	iduals from	ı nətural	gas well d	rilling -	WTL EC	#280344 -	5/12/20	10			100%
	TOTAL PE	RCENTAGE				 		· · · · · · · · · · · · · · · · · · ·			+	100%
	ertification: I here				1	1						
i '	n properly describ		1		1		_		-			
	sidue of a previou	•	1		l .					iat the was	te has	
been treated	in accordance w	ith the requirer	ments of 49	CFR 266 and is	no lange	hazordou	as defined b	y 40 CFR Par	261.	2-20	21/2	
GENERA	TOR SIGNAT	N BE OF C	ERTIFIC	ATION / f	TLE	7		, .	D	ATE	9(22	
FC		olest.	Buch	Xu	1Hn	7.54	1 5/	///	6	-10	10	
TRANSP	ORTER-JURI	VER SIGN	ATURE	WH	# & M	O/YR E	KPIRATIO	N		DATE		
Z	R	l.,,				2	X.					
LANDFIL	L WASTE IN	SPECTOR S	SIGNAT	JRE ()	399	3	ACCEPT	ED -	16 RI	EJECTER	8:18	
WEIGHN	AASTER SIG	NATURE		LIC	FNSF#	1	TAG	r F	T	MAIAM	A)/ PMI	
	{ }										/	



PU BOX 209, MCELHATTAN, PA 17748 PHONE: 570-769-6977 FAX: 570-769-7366 HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00

TICKET: 403671 DATE: 6/14/2010

TIME: 09:15:10 - 10:26:41

TRUCK: ALLSTATE59

PROFILE: CAB2/

CUSTOMER: 809/CABOT OIL & GAS CORPORATION

FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

GROSS: 64840 LBS Scale

TARE: 43480 LBS Scale

2H4H WELL - CABOT ÒĮL & GAS 21360 LBS NET: TONS: 10.68 TNS

GENERATOR 111/CABOT OIL & GAS CORP

GRID: DC2/N 2945.84 E 11264.02 ELE 656.69

COMMENT:

ORIGIN	MATERIALS & SERVICES	PCT Q	UANTITY RATE	AMOUNT
58/SUSQUEHANNA	801/DRILLING RESIDUALS	100	10.68 @ \$29.50 per Ton	\$315.06
			TOTAL FEES:	\$112.14
			TOTAL AMOUNT:	\$427.20

LEES COMPRISED OF THE FOLLOWING:

DISPOSAL/SERVICES:	\$315.06
HOST COMMUNITY FEE: @ \$1.25 PER TON	\$13.35
PA RECYCLING FEE: @ \$2.00 PER TON	\$21,36
ENVIRONMENTAL STEWARDSHIP FEE: @ \$4.25 PER TON	\$45.39
HOST COUNTY FEE: @ \$3.00 PER TON	\$32.04

IN OPERATOR: JESSICA - 70953

DRIVER: Mondon 2010 08/14/10 10 26 38 OUT OPERATOR: JESSICA - 70953

www.waynetwplandfill.com E-MAIL: ccswa@waynetwplandfill.com

CABOT-EPA 007651

DIM0228884 DIM0227454

		· · · · · · · · · · · · · · · · · · ·			
Wayne Township La	ndfill PADEP Permit	#100955 Resi	dual Waste Manife	est No	
Generator Name	Cabot Oil & Gas Corporat	tion			0
Generator Location	2H4H WELL-LATA	114422.03N - LONG7554	100.74W - DIMOCK T	WP - SUSQUEHANN	ACTY BOX#
Contact Name	Chris Lowman	Cell# 412	-580-8659 ·	Office# 412-249-3	3927 Day#
Profile CAB2	(3-letter code)	· Carrier	(3-letter cod	le) Truck#	
Customer/Charge To	809 (3-digit numb	er) Origin !	58 (2-digit num	ber)`	
WASTE	DESC	RIPTION OF WASTE		PERCE	NTAGE
801 drilling re	iduals from natural gas well	drilling - WTL EC#2803	44 - 5/12/2010		100%
					
TOTAL PE	RCENTAGE				100%
Generator Certification: I her	eby certify that the above named mate.	rial(s) is not hazardous waste as	defined by CFR Part 261 or	any apolicable state	
	bed and packaged and is in proper con- usly restricted hazardous waste subject				***
	ith the requirements of 40 CFR 288 and	1-11	• • • • • • • • • • • • • • • • • • • •	トリチーノン	> September 1
GENERATOR SIGNA	TURE OF CERTIFICATION /			ATE	
Selen	/////	1404 July	2011 6	-14-10	
TRANSPORTER - DR	WERSIGNATURE W	/H# & MO/YR EXPIRÁ &	TION 1	DATE	
LANDFILL WASTE IN	SPECTOR SENATURE	10953 ACCE	10-14-10	EJECTED /O:	26
WEIGHMASTER SIG	MATURE !	icense#	DATE T	INF (AND I PAR)	



L BOX 209, MCELHATTAN, PA 17748 PHONE: 570-769-6977 FAX: 570-769-7366 HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00 TICKET: 403672 DATE: 6/14/2010

TIME: 09:17:17 - 10:29:39

TRUCK: ALLSTATE57

CUSTOMER: 809/CABOT OIL & GAS CORPORATION

FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

GROSS: 78440 LBS Scale

TARE: 43360 LBS Scale

PROFILE: CAB2 244H WELL - CABOT OIL & GAS GENERATOR 111/CABOT OIL & GAS CORP

NET: 35080 LBS TONS: 17.54 TNS

GRID: DC2/N 2945.84 E 11264.02 ELE 656.69

COMMENT:

ORIGIN	MATERIALS & SERVICES	PCT QUANTITY RATE		AMOUNT
58/SUSQUEHANNA	801/DRILLING RESIDUALS	100	17.54 @ \$29.50 per Ton	\$517.43
			TOTAL FEES:	\$184.18
			TOTAL AMOUNT:	\$701.61

. EES COMPRISED OF THE FOLLOWING:

DISPOSAL/SERVICES:	\$517.43
HOST COMMUNITY FEE: @ \$1.25 PER TON	\$21.93
PA RECYCLING FEE: @ \$2.00 PER TON	\$35.08
ENVIRONMENTAL STEWARDSHIP FEE: @ \$4.25 PER TON	\$74.55
HOST COUNTY FEE: @ \$3.00 PER TON	\$52.62

IN OPERATOR: JESSICA - 70953

DRIVER: Mon Jun 2010 00/14/10 10:28 38 OUT OPERATOR: JESSICA - 70953

www.waynetwplandfill.com E-MAIL: ccswa@waynetwplandfill.com

CABOT-EPA 007653

DIM0228887

Wayne To	wnship Lar	ndfill PADEP Pe	ermit#100955	Residua	Waste Ma	nifest No		
Generato	r Name	Cabot Oil & Gas Corp	poration					
Generator	Location	2H4H WELL	-LAT414422.03N - LONG	755400.	74W - DIMO	CK TWP - SUS	QUEHANNA CTY	
Contact N	lame	Chris Lowman	Cell#	412-580	-8659	Office#	412-249-3927	
Profile	CAB2	(3-letter code)	Carrier		(3-letter	code) .	Truck#	
Customer,	/Charge To	809 (3-digit n	umber) - Origin	58	(2-digit r	umber)		
WASTE		g	ESCRIPTION OF WAS	E			PERCENTAG	3E
801	drilling resi	duals from natural gas	well drilling - WTL EC#	180344 -	5/12/2010			100%
	TOTAL PER	RCENTAGE						100%
	•		er condition for transportation subject to the Landfill Disposal.		• •			
		·	266 and is no little hazar four		•		-10	
GENERAT	OR SIGNAT	URE OF CERTIFICATION	DIN/ TITLE			DATE		
		λ	1404 7/	2011		6-14	-10	
TRANSPC	DIEH - DH	VER'SIGNATURE	WH# & MO/YR EX	IRATIO	V	DATE		
LANDFILL	. WASTE IN	SPECTOR SIGNATURE	70953	ACCEPTE	14-16	REJECTED	10:29	
WEIGHM	ASTER SIEN	ATURE	LICENSE#	DAT	F	TIMELONA	/ DAAL	

DIM0227454



FO BOX 209, MCELHATTAN, PA 17748 PHONE: 570-769-6977 FAX: 570-769-7366 HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00 TICKET: 403699 DATE: 6/14/2010

TIME: 11:01:31 - 11:47:51

TRUCK: ETGI 252

CUSTOMER: 809/CABOT OIL & GAS CORPORATION

FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

GROSS: 71680 LBS Scale

TARE: 41520 LBS Scale

PROFILE: CAB2 244H WELL - CABOT OIL & GAS GENERATOR 111/CABOT OIL & GAS CORP

NET: 30160 LBS TONS: 15.08 TNS

GRID: DC2/N 2945,84 E 11264,02 ELE 656.69

COMMENT:

ORIGIN	MATERIALS & SERVICES	PCT Q	JANTITY RATE	AMOUNT
58/SUSQUEHANNA	801/DRILLING RESIDUALS	100	15.08 @ \$29.50 per Ton	\$444.86
			TOTAL FEES:	\$158.34
			TOTAL AMOUNT:	\$603.20

LEES COMPRISED OF THE FOLLOWING:

DISPOSAL/SERVICES:	\$444.86
HOST COMMUNITY FEE: @ \$1.25 PER TON	\$18.85
PA RECYCLING FEE: @ \$2.00 PER TON	\$30.16
ENVIRONMENTAL STEWARDSHIP FEE: @ \$4.25 PER TON	\$64.09
HOST COUNTY FEE: @ \$3.00 PER TON	\$45.24

IN OPERATOR: JESSICA - 70953

DRIVER: Man Jun 2010 08/14/10 11 47.49 OUT OPERATOR: JESSICA - 70953

www.waynetwplandfill.com E-MAIL: ccswa@waynetwplandfill.com

CABOT-EPA 007655

Wayne To	ownship Lar	adfill	PADEP Pe	rmit#1009!	55 8	Residual	Waste Mar	rifest No		
Generato	r Name	Cabot Oi	1 & Gas Corp	poration						
Generator	Location		ZH4H WELL-	LAT414422.	.03N - LONG	755400.7	4W - DIMOC	K TWP - SUS	SQUEHANI	VA CTY
Contact N	lame	Chris Lov	vrnarı		Cell#	112-580	-8659 '	Office#	412-249	-3927
Profile	CABZ	(3-letter	code)		Carrier		(3-letter	ode)	Truck	#252
Customer	Charge To	809	(3-digit nu	ımber)	Origin	58	(2-digit n	umber)		
WASTE			D	ESCRIPTION	N OF WAST	E			PERC	ENTAGE
801	drilling resi	duals from	natural gas	well drilling	- WTL EC#2	80344 -	5/12/2010		1	100%
	TOTAL PER	RCENTAGE	Ē						1	100%
treatment res	ldue of a previou	sly restricted t	azardous waste	subject to the La	transportation ac undfill Disposal Re ger hazardous a	estriction, I	cerpity and warra			7
GENERAT	OR SIGNAT	URE OF C	ERTIFICATIO	ON / TITLE				DATE		
FTG-T	ORTER - DRI	VER SIGNA MAC		WH# & 1 145	MO/YR EXP	iration 7011∞	i 	DATE	6/14	10
		YVV	IGNATURE		7952	CCEPTE	3/4-11	REJECTED	11	:47
INFIGHM	ASTER STON	14 tilac	J	LICENSE	Ħ	na1	7	TIME IAM	PAGE 1	



DOX 209, MCELHATTAN, PA 17748 PHONE: 570-769-6977 FAX: 570-769-7366 HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00 TICKET: 403701 DATE: 6/14/2010

TIME: 11:05:22 - 11:50:54

TRUCK: ETGI 274

CUSTOMER: 809/CABOT OIL & GAS CORPORATION

FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

GROSS: 74420 LBS Scale

TARE: 43540 LBS Scale

PROFILE: CAB2 2H4H WELL - CABOT OIL & GAS GENERATOR 111/CABOT OIL & GAS CORP NET: 30880 LBS TONS: 15.44 TNS

GRID: DC2/N 2945.84 E 11264.02 ELE 656.69

COMMENT:

ORIGIN	MATERIALS & SERVICES	PCT QU	ANTITY RATE	AMOUNT
58/SUSQUEHANNA	801/DRILLING RESIDUALS	100	15.44 @ \$29.50 per Ton	\$455,48
			TOTAL FEES:	\$162.12
			TOTAL AMOUNT:	\$617.60

PEES COMPRISED OF THE FOLLOWING:

DISPOSAL/SERVICES:	\$455.48
HOST COMMUNITY FEE: @ \$1.25 PER TON	\$19.30
PA RECYCLING FEE: @ \$2.00 PER TON	\$30.88
ENVIRONMENTAL STEWARDSHIP FEE: @ \$4.25 PER TON	\$65.62
HOST COUNTY FEE: @ \$3.00 PER TON	\$46.32

IN OPERATOR: JESSICA - 70953

DRIVER: Mandan 2010 09/14/10 11:50 52 OUT OPERATOR: JESSICA - 70953

www.waynetwplandfill.com E-MAIL: ccswa@waynetwplandfill.com

CABOT-EPA 007657

Wayne To	ownship La	ndfill	PADEP Per	mit#100955	R	esidual	Waste Ma	nifest No		
Generato	r Name	Cabot Oi	1 & Gas Corp	gration						
Generator	Location		ZH4H WELL-I	AT414422.0	BN - LONGT	55400.7	4W - DIMO	CK TWP - SU	SQUEHA	INNA CTY
Contact N	lame	Chris Lov	wman		Cell# 4	12-580-	8659	Office	# 412-2	49-3927
Profile	CAB2	(3-letter	code)		Carrier		(3-letter	code)	Tru	ick#
Customer	Charge To	809	(3-digit nu	mber) _	Origin	58	(2-digit n	umber)		
WASTE			DB	SCRIPTION	OF WASTE				PE	RCENTAGE
801	drilling res	iduals fron	n natural gas v	vell drilling -	WTL EC#28	0344 - 5	5/12/2010		;	100%
	TOTAL PE	RCENTAG	E							100%
Generator Cer	tification. I here	by certify that	the above named	material(s) is not i	azərdous wast	r as define	d by CFR Part ZE	1 or any applica	ble state	
law, has been	properly descri	bed and packag	ed and is in prope	r condition for trai	nsportation acc	ording to a	oplicable regula	tions AND if the	waste is a	
treatment res	ldue of a previo	usly restricted .	hazardous waste si	ubject to the land	fill Osposal Re	ON, I C	erlify and warri	int that the was	in has	
been treated i	in accordance w	ith the require	ments of 40 CFR 20	8 and is no longer	بروگويده يو د د د نز	efined by 4	O CFR PAG 261.		_	
		····		=	her	}	10~	14-10	<u> </u>	
GENERAT	OR SIGNA	TURE OF C	ERTIFICATIO	n / Tale	٤			DATE		7,000
Stan	lasa	Sun	-5461	1451	EE3		<u> </u>	6-14	-10	
TRANSPO	RTER - DRI	VER SIGN.	ATURE	WH# & MI	O/YR EXPI	RATION		DATE		
	t Klass	Sam				×				
LANDFILL	WASTE IN	SPECTOR:	SIGNATURE)	706	153 AI	CEPTE	0-14-1	REJECTED)	11:51
WEIGHM	ASTER SIGI	PATURE		LICENSER		DATE		TIRAF IAR	A DANI	
		()							/	

DIM0228891



BOX 209, MCELHATTAN, PA 17748 PHONE: 570-769-6977 FAX: 570-769-7366 HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00

TICKET: 403714 DATE: 6/14/2010

TIME: 11:40:46 - 12:26:12

TRUCK: FCI 796

CUSTOMER: 809/CABOT OIL & GAS CORPORATION

FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

GROSS: 75100 LBS Scale

TARE: 36460 LBS Scale

2H4H WELL - CABOT OIL & GAS 38640 LBS PROFILE: CAB2 NET: GENERATOR 111/CABOT OIL & GAS CORP

TONS: 19.32 TNS

GRID: DC2/N 2945.84 E 11264.02 ELE 656.69

COMMENT:

MANIFEST: S192291

ORIGIN	MATERIALS & SERVICES	PCT Q	JANTITY RATE	AMOUNT
58/SUSQUEHANNA	801/DRILLING RESIDUALS	100	19.32 @ \$29.50 per Ton	\$569.94
			TOTAL FEES:	\$202.86
			TOTAL AMOUNT:	\$772,80

EES COMPRISED OF THE FOLLOWING:

DISPOSAL/SERVICES:	\$569.94
HOST COMMUNITY FEE; @ \$1.25 PER TON	\$24.15
PA RECYCLING FEE: @ \$2.00 PER TON	\$38.64
ENVIRONMENTAL STEWARDSHIP FEE: @ \$4.25 PER TON	\$82.11
HOST COUNTY FEE: @ \$3.00 PER TON	\$57.96

IN OPERATOR: JESSICA - 70953

DRIVER: Mon Jun 2010 08/14/10 12:28:11 OUT OPERATOR: JESSICA - 70953

www.waynetwplandfill.com E-MAIL: ccswa@waynetwplandfill.com

CABOT-EPA 007659

DIM0228892 DIM0227454

	··· ·	2		· ·	·				2/0	0001
Wayne To	ownship La	ndfill	PADEP PE	rmit#1009!	55	Residua	i Waste IV	lanifest No	319	2291
Generato	r Name	Cabot Oi	8 Gas Core	•						
Generator	Location		2H4H WELL	LAT414422.	03N - FOV	G755400.	74W - DIM	OCK TWP - SU	SQUEH/	NNA CTY
Contact N	lame	Chris Lov	vman		Cell	# 412-580	1-8659	Office	# 412-2	49-3927
Profile	ofile CAB2 (3-letter code) Ca					r	(3-lette	r code)	Tru	ick# 296
Customer/	Charge To	809	(3-digit n	umber)	Origi	58	(2-digit	number).		
WASTE	T		Đ	ESCRIPTION	N OF WAS	STE			PE	RCENTAGE
801	drilling residuals from natural gas well drilling - WTL EC#280344 - 5/12/2010							ļ	1009	
	TOTAL PE	RCENTAG				~ 			 	1009
Generator Cer	tification: I bere	by certify that	the above name	material(s) is no	ot hazardous	waste as defin	ed by CFR Part	261 or any applica	ble state	
,		•		• •				ulations AND if the		
i i	· ·					_ `		rrant that the was		
ł			ments of 40 CFR :			-/-> /			'-DO	113
GENERAT	OR SIGNAT	URE OF C	ERTIFICATION	ON / TATLE		/		DATE	1 4	
() _e	ml R	CN_	_	WHO	754	4/1	,	61	14/	60
TBANSPO	RTER - DRI	VER SIGN	ATURE	WH# & !	MO/YR E	KPIRATIÓ	N	DATE	44/	, (D
LANDFILL	WASTEIN	SPECTOR:	SIGNATURE	709	53	ACCEPTE	n-14-	REJECTED	,~~	16:6
WFIGHM	ASTER SIG	PATURE		HEFNSF	#	DAT	F	TIRAF I AA	A PAAT	t-/(/S



BOX 209, MCELHATTAN, PA 17748 PHONE: 570-769-6977 FAX: 570-769-7366 HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00 TICKET: 403864 DATE: 6/15/2010

TIME: 07:46:06 - 08:40:44

TRUCK: ALSTATE 59

CUSTOMER: 809/CABOT OIL & GAS CORPORATION

FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

GROSS: 73420 LBS Scale

TARE: 45240 LBS Scale

PROFILE: CAB2. 2H4H WELL - CABOT OIL & GAS
GENERATOR 111/CABOT OIL & GAS CORP

NET: 28180 LBS TONS: 14.09 TNS

GRID: DC2/N 2945,84 E 11264.02 ELE 656.69

COMMENT:

ORIGIN	MATERIALS & SERVICES	PCT Q	JANTITY RATE	AMOUNT
58/SUSQUEHANNA	801/DRILLING RESIDUALS	100	14.09 @ \$31.50 per Ton	\$443.84
			TOTAL FEES:	\$147.94
			TOTAL AMOUNT:	\$591.78

.'EES COMPRISED OF THE FOLLOWING:

DISPOSAL/SERVICES:	\$443.84
HOST COMMUNITY FEE: @ \$1.25 PER TON	\$17.61
PA RECYCLING FEE: @ \$2.00 PER TON	\$28.18
ENVIRONMENTAL STEWARDSHIP FEE: @ \$4,25 PER TON	\$59.88
HOST COUNTY FEE: @ \$3.00 PER TON	\$42.27

IN OPERATOR: TRACY - 066750

DRIVER: Tue Jun 2010 08/16/10 08/16/10 08/16/10 OPERATOR: JESSICA - 70953

www.waynetwplandfill.com E-MAIL: ccswa@waynetwplandfill.com

CABOT-EPA 007661

Wayne To	wnship La	ndfill	PADEP Permit#	100955	Residua	Waste Manife	st No		
Generato	r`Name	Cabot Oil	& Gas Corporatio	วก					-v
Generator	Location		ZHAH WELL-LAT41	4422.03N - LONG	755400.7	4W - DIMOCK T	WP - SUSC	QUEHANNA C	ľΥ
Contact N	lame	Chris Low	man	Cell#	412-580	-8659	Office#	412- 2 49-392	7
Profile	CAB2	(3-letter	code)	Carrier		(3-letter code	e)	Truck# 🍮	54
Customer/	Charge To	809	(3-digit number) Origin	58	(2-digit numl	er)		
WASTE			DESCRI	PTION OF WAS	E			PERCENT	AGE
801	drilling res	iduals from	natural gas well d	rilling - WTL EC#:	80344 -	5/12/2010	1		100%
	TOTAL PE	RCENTAGE							100%
Generator Cert			ne above named materia	i(s) is not hazardous w	ste as defin	ed by CFR Part 261 or a	ny applicable	estate	100%
	tification: I here	by certify that t				•			100%
law, has been	tification: I here properly descrit	by certify that t	he above named materia	on for transportation :	ccording to	applicable regulations	AND If the w	AST@ 15 0	100%
law, has been : treatment res	tification: I here properly describ due of a previou	by certify that to sed and packago usly restricted h	he above named materia ad and is in proper condit	ion for transportation : o the Lanofili Disposal i	iccording to i	applicable regulations certify and warrant th	AND If the w	AST@ 15 0	100%
law, has been ; treatment sesi- been treated in	tification: I here properly descrit due of a previou n accordance wi	by certify that s sed and packag usly restricted h ith the requiren	the above named material and is in proper conditional azardous waste subject the tents of 40 EFR 268 and in	on for transportation on the Landfill Disposal is no longs state doubt	iccording to i	applicable regulations certify and warrant th	AND If the w	AST@ 15 0	100%
law, has been ; treatment sesi- been treated in	tification: I here properly descrit due of a previou n accordance wi	by certify that s sed and packag usly restricted h ith the requiren	ne above named materia ed and is in proper condit azardous waste subject t	on for transportation on the Landfill Disposal is no longs state doubt	iccording to i	applicable regulations certify and warrant the 40 CFR Part 201.	AND If the water the water	753e 15 7 has	100%
law, has been ; treatment sesi- been treated in	tification: I here properly descrit due of a previou n accordance wi	by certify that s sed and packag usly restricted h ith the requiren	the above named material and is in proper conditional azardous waste subject the tents of 40 EFR 268 and in	on for transportation on the Landfill Disposal is no longs state doubt	iccording to i	applicable regulations of certify and warrant this 40 CFR Part 261.	AND If the waste	753e 15 7 has	100%
treatment resident treatment resident treatment fested in GENERAT	tification: I here properly descrit due of a previou n accordance wi	by certify that seed and package usly restricted high the requirem	he above named material and is in proper conditions waste subject to the total actions waste subject to the total actions of 40 CFR 208 and in the total actions of 40 CFR 208 and in the total actions of 40 CFR 208 and in	on for transportation on the Landfill Disposal is no longs state doubt	ictoraing to a lestriction, I spelined by	applicable regulations certify and warrant this 40 CFR Part 261.	AND If the water the water	753e 15 7 has	100%
treatment resident treatment resident treatment fested in GENERAT	tification: There properly describ due of a previou in accordance with	by certify that seed and package usly restricted high the requirem	he above named material and is in proper conditions waste subject to the total actions waste subject to the total actions of 40 CFR 208 and in the total actions of 40 CFR 208 and in the total actions of 40 CFR 208 and in	on for transportation on the Landfill Disposal is no longs and John Street LE	ictoraing to a lestriction, I spelined by	applicable regulations certify and warrant this 40 CFR Part 261.	AND If the waste o	753e 15 7 has	100%
treatment resident read in GENERAL TRANSPO	tification: I here properly describ due of a previou n accordance wi PR SISTMAT	by certify that seed and package usly restricted hith the requiren FURE OF SIGN	he above named material and is in proper conditions waste subject to the total actions waste subject to the total actions of 40 CFR 208 and in the total actions of 40 CFR 208 and in the total actions of 40 CFR 208 and in	on for transportation on the Landfill Disposal is no longs and John Street LE	ictoraing to a lestriction, I spelined by	applicable regulations. certify and warrant thi 40 CFR Part 201. DA	AND If the waste o	753e 15 7 has	100%
treatment resident read in GENERAL TRANSPO	tification: I here properly describ due of a previou n accordance wi PR SISTMAT	by certify that seed and package usly restricted hith the requiren FURE OF SIGN	ne above named material and is in proper conditions waste subject to the total and in the t	on for transportation on the Landfill Disposal is no longs and John Street LE	estriction, to a sestriction, to the sestriction, to the sestriction, to the sestriction of the sestriction	applicable regulations. certify and warrant thi 40 CFR Part 201. DA	AND If the waste Color of the wa	753e 15 7 has	100%



BOX 209, MCELHATTAN, PA 17748 PHONE: 570-769-6977 FAX: 570-769-7366 HOURS: M-F 7:00 - 4:00 \$ 7:00 - 12:00 TICKET: 403866 DATE: 6/15/2010

TIME: 07:48:27 - 08:43:49

TRUCK: ALSTATE57

CUSTOMER: 809/CABOT OIL & GAS CORPORATION

FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

GROSS: 63540 LBS Scale

TARE: 42660 LBS Scale

PROFILE: CAB2 2H4H WELL - CABOT OIL & GAS GENERATOR 111/CABOT OIL & GAS CORP

NET: 20880 LBS TONS: 10.44 TNS

GRID: DC2/N 2945.84 E 11264.02 ELE 656.69

COMMENT:

ORIGIN	MATERIALS & SERVICES	•	JANTITY RATE	AMOUNT
58/SUSQUEHANNA	801/DRILLING RESIDUALS	100	10.44 @ \$31.50 per Ton	\$328.86
			TOTAL FEES:	\$109.62
			TOTAL AMOUNT:	\$438.48

FEES COMPRISED OF THE FOLLOWING:

DISPOSAL/SERVICES:	\$328,86
HOST COMMUNITY FEE: @ \$1.25 PER TON	\$13.05
PA RECYCLING FEE: @ \$2.00 PER TON	\$20.88
ENVIRONMENTAL STEWARDSHIP FEE: @ \$4.25 PER TON	\$44.37
HOST COUNTY FEE; @ \$3.00 PER TON	\$31.32

IN OPERATOR: TRACY - 066750

DRIVER: Tue Jun 2010 DB/15/10 DB/43 4B OUT OPERATOR: JESSICA - 70953

www.waynetwplandfill.com E-MAIL: ccswa@waynetwplandfill.com

CABOT-EPA 007663

Wayne To	ownship Lan	dfill	PADEP Perm	it#100955		Residual	Waste Ma	nifest No			
Generato	7 Name	Cabot O	il & Gas Corpor	ation							
Generator	Location		2H4H WELL-LA	T4144Z2.03	N - LONG	755400.74	AW - DIMO	K TWP - SU	SQUEHANN.	A CTY	Į.
Contact N	lame	Chris Lov	wman		Cell#	412-580-	8659	Officet	412-249-	3927	,
Profile	CAB2	(3-letter	code)		Carrier	APV	(3-letter	code)	Truck#	57	
Customer/	Charge To	809	(3-digit num	ber)	Origin	[/] 58	(2-digit n	umber)			
WASTE			DES	CRIPTION	OF WAST	E			PERCE	NTAGE	
801	drilling resid	duals fron	n natural gas we	ll drilling -	WTL EC#2	80344 - 5	/12/2010			100%	
									1		
	TOTAL PER	CENTAG	E							100%	
law, has been	properly describe	ed and packag	the above named ma	indition for tran	reportation a	ccording to as	alugas eldesila	ions AND if the	waste is a		8
!			hazardous waste subj ments of 40 CFR 268 a			//	•	nt that the wast	- 10	7	
GENERAS.	OR SIGNATI	URI OF C	ERTIFICATION	/115/E /40	4 7	1/201	, ,	DATE 6-/	4-10	····	10
TRANSPO	RTER - DRIV	ERSIGN	ATURE	WH# & M(O/YR EXI	RATION		DATE			7
LANDFILL	WASTE INS	Wi	SIGNATURE	70	95	CCEPTED	0-15	REJECTED	3:43)	Č
MEICHW	ASTER SIGN	ATURE		HICFNSF#		DATE		TIME IAN	DAA1		1



_ > BOX 209, MCELHATTAN, PA 17748 PHONE: 570-769-6977 FAX: 570-769-7366 HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00 TICKET: 403887 DATE: 6/15/2010

TIME: 09:07:57 - 09:40:55

TRUCK: WM 411528

CUSTOMER: 809/CABOT OIL & GAS CORPORATION

FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

GROSS: 64800 LBS Scale

TARE: 36860 LBS Scale

PROFILE: CAB2 2H4H WELL - CABOT OIL & GAS NET: 27940 LBS GENERATOR 111/CABOT OIL & GAS CORP TONS: 13.97 TNS

GRID: DC2/N 2945.84 E 11264.02 ELE 656.69

COMMENT:

ORIGIN	MATERIALS & SERVICES	PCT QU	JANTITY RATE	AMOUNT
58/SUSQUEHANNA	801/DRILLING RESIDUALS	100	13.97 @ \$31.50 per Ton	\$440.06
			TOTAL FEES:	\$146.68
			TOTAL AMOUNT:	\$586,74

JEES COMPRISED OF THE FOLLOWING:

DISPOSAL/SERVICES:	\$440.06
HOST COMMUNITY FEE: @ \$1.25 PER TON	\$17.46
PA RECYCLING FEE: @ \$2.00 PER TON	\$27.94
ENVIRONMENTAL STEWARDSHIP FEE: @ \$4.25 PER TON	\$59.37
HOST COUNTY FEE: @ \$3.00 PER TON	\$41.91

IN OPERATOR: JESSICA - 70953

DRIVER: Tue Jun 2010 00H6H0 00:40:54 OUT OPERATOR: JESSICA - 70953

www.waynetwplandfill.com E-MAIL: ccswa@waynetwplandfill.com

CABOT-EPA 007665

	wnship La	ndfili	PADEP Permit#1009!	55 R	esiduəl	Waste Manifest No	
Generato	r Name	Cabot Oi	I & Gas Corporation				
Generator	Location		2H4H WELL-LAT414422.	03N - LONG7	55400.7	4W - DIMOCK TWP - S	SUSQUEHANNA CTY
Contact N	lame	Chris Lov	vman	Cell# 4	12-580-	8659 Offic	e# 412-249-3927
Profile	CAB2	(3-letter	code)	Carrier		(3-letter code)	Truck#41150
Customer/	Charge To	809	(3-digit number)	Origin -	58	(2-digit number)	***************************************
WASTE	1		DESCRÍPTIO	V OF WASTE	:		PERCENTAGE
801	drilling res	iduals fron	natural gas well drilling	- WTL EC#28	0344 - 5	5/12/2010	100%
		······································					
	TOTAL PE	RCENTAG	[100%
Generator Ceri	tification: I here	by certify that	the above named material(s) is no	ot hazardous was	e as define	by CFR Part 261 or any appr	icable state
law, has been	properly describ	ed and packag	ed and is in proper condition for	transportation aci	ording to a	pplicable regulations AND If t	he waste is a
					_		
treatment resi	due of a previou	siy restricted	hazardous wasta subject to the La	ndfill Disposal BC	ur/ction, I	ertify and warrant that the u	raste has
			hazardous wasta subject to the La ments of 40 CFR 268 and is no long	/	/		raste has
				/	/		raste has
been treated i	n accordance wi	th the require		/	/		raste has
been treated i	n accordance wi	th the require	ments of 40 CFR 268 and is no long	Service of as	/	10 CFR Part 261.	
GENERAT	n accordance wi	URE OF C	ERTIFICATION / TITLE	Service of as	Settined by	10 CER PART 261. DATE 1	
GENERAT	OR SIGNAT	URE OF C	ERTIFICATION / TITLE	Remaranta fi as Post	Settined by	10 CER PART 261. DATE 1	
GENERAT TRANSPO	OR SIGNAT	URE OF C	ERTIFICATION / TITLE	6 02 MO/YR EXP	Seffined by	DATE DATE DATE DATE	le
GENERAT TRANSPO	OR SIGNAT	URE OF C	ERTIFICATION / TITLE 143 ATURE WH# & I	6 02 MO/YR EXP	RATION	DATE 10 CFR Part 251. DATE 11 G 15 DATE	le



r SOX 209, MCELHATTAN, PA 17748 PHONE: 570-769-6977 FAX: 570-769-7366 HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00 TICKET: 403895 DATE: 6/15/2010

TIME: 09:12:35 - 09:51:49

TRUCK: WM 410037

CUSTOMER: 809/CABOT OIL & GAS CORPORATION

FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

GROSS: 58680 LBS Scale

TARE: 36600 LBS Scale

PROFILE: CAB2 244H WELL - CABOT OIL & GAS NET: 22080 LBS GENERATOR 111/CABOT OIL & GAS CORP TONS: 11.04 TNS

GRID: DC2/N 2945.84 E 11264.02 ELE 656.69

COMMENT:

ORIGIN	MATERIALS & SERVICES	PCT Q	UANTITY RATE	AMOUNT
58/SUSQUEHANNA	801/DRILLING RESIDUALS	100	11.04 @ \$31.50 per Ton	\$347.76
			TOTAL FEES:	\$115.92
			TOTAL AMOUNT:	\$463.68

FEES COMPRISED OF THE FOLLOWING:

DISPOSAL/SERVICES:	\$347.76
HOST COMMUNITY FEE: @ \$1.25 PER TON	\$13.80
PA RECYCLING FEE; @ \$2.00 PER TON	\$22.08
ENVIRONMENTAL STEWARDSHIP FEE: @ \$4.25 PER TON	\$46.92
HOST COUNTY FEE: @ \$3.00 PER TON	\$33.12

IN OPERATOR: JESSICA - 709	953
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DRIVER: OUT OPERATOR: JESSICA - 70953

www.waynetwplandfill.com E-MAIL: ccswa@waynetwplandfill.com

CABOT-EPA 007667

Wayne To	ownship La	ndfill	PADEP Pe	rmit#100955	5	Residua	Waste W	lanifest No			
Generato	r Name	Cabot Oi	1 & Gas Cort	poration							
Generator	Location		2H4H WELL	LAT414422.0	3N - LONG	755400.	74W - DIM	OCK TWP - SU	SQUEH	ANNA CTY	
Contact (Vame	Chris Lov	vman		Cell#	412-580	-8659	Officet	e# 412-249-3927		
Profile	CA82	(3-letter	code)		Carrier		(3-lette	r code)	Tr	uck#	
Customer	/Charge To	809	(3-digit no	ımber)	Origin	58	Z-digit	number).			
WASTE	T		D	ESCRIPTION	OF WAST	E			P	ERCENTAGE	
801	drilling res	iduals fron	natural gas	well drilling -	WTL EC#2	280344 -	5/12/2010)		1009	
	TOTAL PE	RCENTAG	E							1009	
1				subject to the Land	/ {			errant that the wase	e has		
GENERAT	OR SIGNA	TURE OF C	ERTIFICATIO	N / TITLE			Y	DATE		The second of th	
cal	B His	کر بسعد	2/W	H + 436	•	02/7	2011	6/	15/	0	
TRANSPO	ORTER DRI	VER SIGN	ATURE	WH# & M	O/YR EX	PIRATIO	V	DATE			
50	<i>zhL</i> b.		<u> </u>			>					
LANDFILI	L WASTE IN	SPECTOR	SIGNATURE	709	753'	ACCEPTE	15-1	REJECTED	Q	:51	
MEIGHN	ASTER SIG	VATIONE -	,	HENKER		TAT	F	TIME	DRA		



BOX 209, MCELHATTAN, PA 17748 PHONE: 570-769-6977 FAX: 570-769-7366 HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00

TICKET: 403913 DATE: 6/15/2010

TIME: 10:12:52 - 10:41:53

NET:

TONS:

TRUCK: ETGI 273

CUSTOMER: 809/CABOT OIL & GAS CORPORATION

FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

GROSS: 73480 LBS Scale

TARE: 37400 LBS Scale 36080 LBS

18.04 TNS

2H4H WELL - CABOT OIL & GAS PROFILE: CAB2 GENERATOR 111/CABOT OIL & GAS CORP

GRID: 3003/N 3078.34 E 11036.03 ELEE 656.86

COMMENT:

ORIGIN MATERIALS & SERVICES PCT QUANTITY RATE AMOUNT 58/SUSQUEHANNA 801C/DRILLING RESIDUALS - C 100 18.04 @ \$37.50 per Ton \$676.50 TOTAL FEES: \$81.18

> TOTAL AMOUNT: \$757.68

FEES COMPRISED OF THE FOLLOWING:

\$676.50 DISPOSAL/SERVICES: HOST COMMUNITY FEE: @ \$1.25 PER TON \$22.55 ENVIRONMENTAL STEWARDSHIP FEE: @ \$0.25 PER TON \$4.51 HOST COUNTY FEE; @ \$3.00 PER TON \$54.12

IN OPERATOR: JESSICA - 70953

OUT OPERATOR: JESSICA - 70953 DRIVER: THE JUN 2010 06/15/10 10.41:51

www.waynetwplandfill.com E-MAIL: ccswa@waynetwplandfill.com

CABOT-EPA 007669

Wayne To	Wayne Township Landfill PADEP Permit#100955 Residual Waste Manifest No										
Generato	Name	Cabot Oi	& Gas Cor	poration							
Generator	Lůcation		2H4H WELL	-LAT41442	2.03N - LON	G755400.	74W - D	IMOCK	TWP S	USQUEF	IANNA CTY
Contact N	ame	Chris Lov	vman		Cell	Cell# 412-580-8659 Office#			e# 412-	249-3927	
Profile	CAB2	(3-letter	code)		Carrie		(3-le	etter co	de)	T	ruck# 275
Customer/	Charge To	809	(3-digit n	umber)	Origi	58	. (2-d	igit nur	nber}		
WASTE				DESCRIPTION	ON OF WA	TE				F	ERCENTAGE
801	drilling resi	duals from	ı natural ga:	s well drilli	ng - WTL EC	280344 -	5/12/2	010			100%
		WCL.	1-(1)	(0)	ť J)						
	TOTAL PE	RCENTAGE									100%
Generator Cer	ification: I herel	y certify that	the above name	d material(s) is	not hazardous	vaste as defin	red by CFA	Part 261 c	rany appli	cable state	
law, has been	properly describ	ed and packag	ed and is in pro	ser condition fo	or transportatio	according to	applicable	e regulatio	ns ANII: It th	ne waste is	.
treatment resi	due of a previou	sly restricted i	azardous waste	subject to the	Landfill Dispose	Restriction,	I certify an	id warrant	thai វគច wa	aste has	
ocen treated i	accordance wi	th the requirer	nents of 40 CFR	ال 100 and is 100	oner hazardon	as syllined by	y 40 CFR Pa	art 261.			
					_ pt	<u> </u>		12	15:	10	
GENERAL	OR SIGNAT	URE OF C	ERTIFICATI	ON TITLE		21.	1	·	DATE	_ 1	
	4			tion?	1421	011	1		10/15	2:10	
TRANSPO	rter - Dri	VER SIGN	ATURE	WH# 8	MO/YR E	PIRATIO	N		DATE	`	
	2 1/2	<u> </u>				N.					
LANDFILL	WASTE IN	SPECTOR!	IGNATUR	K	95	ACCEPTI	ED 0-15	5- W	SEJECTE	£	10:41
INFIGHM	ASTER SIGN	TURE		UCFN	ζF#	DAT	F		TIME (A	NI DA	1)
	<u>_</u>	•							(. /	



3OX 209, MCELHATTAN, PA 17748 PHONE: 570-769-6977 FAX: 570-769-7366

HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00

TICKET: 404026 DATE: 6/15/2010

TIME: 15:05:10 - 16:05:39

TRUCK: ALLSTATE59

CUSTOMER: 809/CABOT OIL & GAS CORPORATION

FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

GROSS: 70300 LBS Scale

TARE: 43820 LBS Scale

PROFILE: CAB2 2H4H WELL - CABOT OIL & GAS

GENERATOR 111/CABOT OIL & GAS CORP

NET: 26480 LBS TONS: 13.24 TNS

GRID: DC2/N 2945.84 E 11264.02 ELE 656.69

COMMENT:

ORIGIN	MATERIALS & SERVICES	PCT QU	JANTITY RATE	AMOUNT
58/SUSQUEHANNA	801/DRILLING RESIDUALS	100	13.24 @ \$31.50 per Ton	\$417.06
			TOTAL FEES:	\$139.02
			TOTAL AMOUNT:	\$556.08

EES COMPRISED OF THE FOLLOWING:

DISPOSAL/SERVICES:	\$417.06
HOST COMMUNITY FEE: @ \$1.25 PER TON	\$16.55
PA RECYCLING FEE: @ \$2.00 PER TON	\$26.48
ENVIRONMENTAL STEWARDSHIP FEE: @ \$4.25 PER TON	\$56.27
HOST COUNTY FEE: @ \$3.00 PER TON	\$39.72

IN OPERATOR: JESSICA - 70953

DRIVER: Tub Jun 2010 06/15/10 16.05:38 OUT OPERATOR: JESSICA - 70953

www.waynetwplandfill.com E-MAIL: ccswa@waynetwplandfill.com

CABOT-EPA 007671

avayise i	ownship La	ndfill	PADEP Perr	nit#100955	i R	esidual	Waste Ma	nifest No		····
Generato	orf ame	Cabot Oi	l & Gas Corpo	ration						
Generato	r Location		2H4H WELL-L	AT414422.03	3N - LONG7	55400.7	4W - DIMO	CK TWP - S	USQUEHANNA	CTY
Contact f	Name	Chris Lov	vman		Cell# 4	12-580-	8659	Offic	e# 412-249-39	927
Profile	CAB2	(3-letter	code)		Carrier		(3-letter	code)	Truck#	57
Customer	/Charge To	809	(3-digit nur	nber)	Origin	58	(2-digit	number)		
WASTE			DE:	SCRIPTION	OF WASTE		· · · · · · · · · · · · · · · · · · ·		PERCEN	ITAGE
801	drilling res	iduals fron	natural gas w	ell drilling -	WTL EC#28	30344 - 5	/12/2010			100%
	TOTAL PE	RCENTAG	Ē -							100%
Generator Co	rtification: I here	by certify that	the above named n	naterial(s) is not l	hazardous was	to as define	by CFR Part 2	51 or any appli	cable state	
ĺ		•	the above named n ed and is in proper	• • •			•			
law, has beer	n properly describ	sed and packag		condition for tra	nsportation ac	carding to a	pplicable regul	ations AND If t	18 Waste is a	
law, has beer trockment ve	n properly describ sidue of a previo	ed and packag	ed and is in proper	condition for tra bject to the Land	nsportation ac lill Disporal Re	carding to a striction, i c	pplicable regulerity and war	ations AND If ti ant that the w	18 Waste is a	
law, has beer treatment re been treated	n properly descrit sidue of a previo in accordance w	ned and packag usly restricted ith the require	ed and is in proper h-stardous Waste su ments of 40 CFR 268	condition for tra bject to the Land 3 and is no lunger	nsportation ac lill Disporal Re	carding to a striction, i c	pplicable regulerity and war	ations AND If ti ant that the w	18 Waste is a	
law, has beer treatment re been treated	n properly descrit sidue of a previo in accordance w	ned and packag usly restricted ith the require	ed and is in proper	condition for tra bject to the Land 3 and is no lunger	nsportation ac lill Disporal Re	carding to a striction, i c	pplicable regulerity and war	ations AND If the war that the war DATE	ne waste is a aste has	
law, has been troated GENERAT	n properly descrit sidue of a previo in accordance w	ped and packagusly restricted in the require.	ged and is in proper hazardous waste su ments of 40 CFR 268	condition for tra bject to the Land 3 and is no lunger	nsportation ac lill Disporal Re	carding to a striction, i c	pplicable regulerity and war	ations AND If the war that the war DATE	18 Waste is a	97 A PRINCIPAL VARIANCE
law, has been troated GENERAT	n properly descrit sidue of a previo in accordance w	ped and packagusly restricted in the require.	ged and is in proper hazardous waste su ments of 40 CFR 268	condition for tra bject to the Land 3 and is no lunger	nsportation activities Disportation as	striction, I code fined by a	pplicable regulerity and war	ations AND If the war that the war DATE	ne waste is a aste has	
law, has been troated GENERAT	n properly descrit sidue of a previo in accordance w	ped and packagusly restricted in the require.	ged and is in proper hazardous waste su ments of 40 CFR 268	condition for tra bject to the Land 3 and is no longer	nsportation activities Disportation as	striction, I code fined by a	pplicable regulerity and war	ations ANB it to	ne waste is a aste has	OF STREET, AND STR
IAW, has been trontment rest been troated	n properly descrit sidue of a previo in accordance w TOR SIGNA ORTER DR	ped and package usly reatricted in the require EURE OF C	ged and is in proper hazardous waste su ments of 40 CFR 268	condition for tra bject to the Land 3 and is no longer	nsportation acceptable trail Disposal Records in a second	striction, I code fined by a	ppHcable ragulertify and war 0 CFR Part 251	ations ANB it to	ne waste is a asse has	
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. BOX 209, MCELHATTAN, PA 17748 PHONE: 570-769-6977 FAX: 570-769-7366 HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00 TICKET: 404028 DATE: 6/15/2010

TIME: 15:09:08 - 16:08:42

TRUCK: ALLSTATE57

CUSTOMER: 809/CABOT OIL & GAS CORPORATION

FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

GROSS: 70700 LBS Scale

TARE: 43080 LBS Scale

PROFILE: CAB2 244H WELL - CABOT OIL & GAS GENERATOR 111/CABOT OIL & GAS CORP

NET: 27620 LBS TONS: 13.81 TNS

GRID: DC2/N 2945.84 E 11264.02 ELE 656.69

COMMENT:

ORIGIN	MATERIALS & SERVICES	•	JANTITY RATE	AMOUNT
58/SUSQUEHANNA	801/DRILLING RESIDUALS	100	13.81 @ \$31.50 per Ton	\$435.02
			TOTAL FEES:	\$145.00
			TOTAL AMOUNT:	\$580.02

EES COMPRISED OF THE FOLLOWING:

DISPOSAL/SERVICES: \$43	5.02
HOST COMMUNITY FEE: @ \$1.25 PER TON \$1	7.26
PA RECYCLING FEE: @ \$2.00 PER TON \$2	7.62
ENVIRONMENTAL STEWARDSHIP FEE: @ \$4.25 PER TON \$5	8.69
HOST COUNTY FEE: @ \$3.00 PER TON \$4	1.43

IN OPERATOR: JESSICA - 70953

DRIVER: Tue-Jun 2010 08/15/10 18:08 41 OUT OPERATOR: JESSICA - 70953

www.waynetwplandfill.com E-MAIL: ccswa@waynetwplandfill.com

CABOT-EPA 007673

						· · · · · · · · · · · · · · · · · · ·				
Wayne To	ownship Lai	ndfill	PADEP PE	ermit#10095	55	Residual	Waste N	lanifest No		
Generato	r Name	Cabot Oil	I & Gas Corp	poration						
Generator	Location		2H4H WELL	-LAT414422.	03N - LONG	755400.74	W - DIM	OCK TWP - 5	SUSQUEHA	INNA CTY
Contact N	lame	Chris Lov	vman		Cell#	412-580	8659	Offic	e# 412-2	49-3927
Profile	CAB2	(3-letter	code)	_	Carrier	<i>ADU</i>	(3-lette	r code)	Tru	ck# 57
Customer,	Charge To	809	(3-digit n	umber)	Origin	158	(2-digit	number)		
WASTE			D	DESCRIPTION	OF WAST	Ε			PE	RCENTAGE
801	drilling resi	duals from	natural gas	well drilling	- WTL EC#2	80344 - 5	/12/2010)		100%
•	TOTAL PE	CENTAGE				***********				100%
Senerator Cer	tification: I herei	y certify that	the above name	d material(s) is no	t hazardous wa	ste as defined	by CFR Part	261 or any appl	cable state	
lavy, has neen	properly describ	ed and packag	ed and is in prop	per condition for t	transportation a	ccording to a	pplicable reg	ulations AND it t	he waste is a	
treatment res	idue of a previou	sly restricted i	atardous waste	subject to the La	ndfill Disposari	estrictio N, I c	ertify and w	arrant that the w	aste has	
been treated	n accordance wi	th the requirer	nents of 40 CFR	268 and is no lone	par maray aous de	defined by 4	D CFR Pa <u>rt</u> Z	61.		
	. /	7 <i>[</i>		1	6 6		Go	15-11	>	
GENERAL	OR SIGNAT	URE OF C	ERTIFICATA	ON / TITLE	EK	IUNU	i	DATE		
7	IK	✓ \		(31973	דטרו	7/11	6-1	5-10	
TRANSPO	RTER - DRI	VER SIGN	ATURE	WH# & f	VIO/YR EXP	RATION	7	DATE		
L	'Lil	سسسيه				\sim				
LANDFILL	WASTE IN	PECTOR	SIGNATURE	06	(17/5)	CCEPTER	3.1/	REJECT	ED ; (QQ.
		\mathcal{M})	W.	$\mathcal{V}(\mathcal{I})$		1-15	JV.	1 5	30N
WEIGHM	ASTER SIGN	ATURE	***************************************	LICENSE	#	DATE	10	TIME I	MA PIMI)
		()								•



LOBOX 209, MCELHATTAN, PA 17748 PHONE: 570-769-6977 FAX: 570-769-7366 HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00 TICKET: 404069 DATE: 6/16/2010

TIME: 07:56:05 - 08:58:12

TRUCK: ALLSTATE58

CUSTOMER: 809/CABOT OIL & GAS CORPORATION

FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

GROSS: 70000 LBS Scale

TARE: 42460 LBS Scale

PROFILE: CAB2 2H4H WELL - CABOT OIL & GAS

NET: 27540 LBS TONS: 13.77 TNS

GENERATOR 111/CABOT OIL & GAS CORP

GRID: DC2/N 2945,84 E 11264.02 ELE 656.69

COMMENT:

ORIGIN	MATERIALS & SERVICES	PCT Q	JANTITY RATE	AMOUNT
58/SUSQUEHANNA	801/DRILLING RESIDUALS	100	13.77 @ \$31.50 per Ton	\$433.76
			TOTAL FEES:	\$144.58
			TOTAL AMOUNT:	\$578.34

LEES COMPRISED OF THE FOLLOWING:

DISPOSAL/SERVICES:	\$433.76
HOST COMMUNITY FEE: @ \$1.25 PER TON	\$17.21
PA RECYCLING FEE: @ \$2.00 PER TON	\$27.54
ENVIRONMENTAL STEWARDSHIP FEE: @ \$4.25 PER TON	\$58.52
HOST COUNTY FEE: @ \$3.00 PER TON	\$41.31

IN OPERATOR: JESSICA - 70953

DRIVER: Wed Jun 2019 08/16/10 08 58:10 OUT OPERATOR: JESSICA - 70953

www.waynetwplandfill.com E-MAIL: ccswa@waynetwplandfill.com

CABOT-EPA 007675

							~~~			
Wayne To	ownship Lar	ndfill	PADEP Per	mit#10095	5 - 1	Residual	Waste Man	ifest No		
Generato	r Name	Cabot Oi	l & Gas Corp	oration						
Generator	Location		2H4H WELL-L	AT414422.0	BN - LONG	755400.7	4W - DIMOC	K TWP - SUS	QUEHANNA	CTY
Contact N	lame	Chris Lov	vman 🧸		Cell#	112-580-	8659	Office#	412-249-39	327
Profile	CAB2	(3-letter	code)		Carrier		(3-letter c	ode).	Truck#	58
Customer	Charge To	809	(3-digit nu	mber) *	Origin	58	(2-digit nu	ımber)		
WASTE			DE	SCRIPTION	OF WAST	Ε			PERCEN	ITAGE
801	drilling resi	duals from	natural gas i	well drilling	- WTL EC#2	80344 - 9	5/12/2010			100%
	TOTAL PER	CENTAG							1	100%
treatment res	idue of a previou	sly restricted l	ed and is in prope hazordous waste s ments of 40 CFR 26	ubject to the Lan	afill Disposal	spriction, I	ertify and warrar	-	_	1197730
GENERAT	1 0	URE OF C	ERTIFICATION	NI LITTLE	200	wis	TRES	DATE 5 72-4/	6-15-10	 ථ
50	ORTER - DRI	ali		149	10/YR EXP	RATION	lacy	DATE		
	$\preceq M$	<u> </u>	SIGNATURE	700	133	CCEPTE	1-16-10	REJECTED	8:5	36
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1 3OX 209, MCELHATTAN, PA 17748 PHONE: 570-769-6977 FAX: 570-769-7366 HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00 TICKET: 404078 DATE: 6/16/2010

TIME: 09:02:27 - 09:26:43

TRUCK: WM 410037

CUSTOMER: 809/CABOT OIL & GAS CORPORATION

FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

GROSS: 60720 LBS Scale

TARE: 36860 LBS Scale

PROFILE: CAB2 244H WELL - CABOT OIL & GAS NET: 23860 LBS GENERATOR 111/CABOT OIL & GAS CORP TONS: 11.93 TNS

GRID: 3004/N 3078.34 E 11036.03 ELE 659.12

COMMENT:

ORIGIN	MATERIALS & SERVICES	PCT QU	JANTITY RATE	AMOUNT
58/SUSQUEHANNA	801C/DRILLING RESIDUALS - C	100	11.93 @ \$37.50 per Ton	\$447.38
			TOTAL FEES:	\$53.68
			TOTAL AMOUNT:	\$501.06

JES COMPRISED OF THE FOLLOWING:

DISPOSAL/SERVICES: \$447.38
HOST COMMUNITY FEE: @ \$1.25 PER TON \$14.91
ENVIRONMENTAL STEWARDSHIP FEE: @ \$0.25 PER TON \$2.98
HOST COUNTY FEE: @ \$3.00 PER TON \$35.79

IN OPERATOR: JESSICA - 70953

DRIVER: Wed Jun 2010 08/18/10 08/28 40 OUT OPERATOR: JESSICA - 70953

www.waynetwplandfill.com E-MAIL: ccswa@waynetwplandfill.com

CABOT-EPA 007677



PO BOX 209, MCELHATTAN, PA 17748 PHONE: 570-769-6977 FAX: 570-769-7366

HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00

TICKET: 404108 DATE: 6/16/2010

TIME: 10:30:20 - 11:32:26

TRUCK: ALLSTATE59

CUSTOMER: 809/CABOT OIL & GAS CORPORATION

FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

GROSS: 64180 LBS Scale

TARE: 43820 LBS Scale

PROFILE: CAB2 244H WELL - CABOT OIL & GAS GENERATOR 111/CABOT OIL & GAS CORP

NET: 20360 LBS TONS: 10.18 TNS

GRID: 3004/N 3078.34 E 11036.03 ELE 659.12

COMMENT:

ORIGIN	MATERIALS & SERVICES	_	NTITY RATE	AMOUNT
58/SUSQUEHANNA	801C/DRILLING RESIDUALS - C		10,18 @ \$37.50 per Ton	\$381.75
			TOTAL FEES:	\$45.82
			TOTAL AMOUNT:	\$427.57

FEES COMPRISED OF THE FOLLOWING:

DISPOSAL/SERVICES: \$381.75
HOST COMMUNITY FEE: @ \$1.25 PER TON \$12.73
ENVIRONMENTAL STEWARDSHIP FEE: @ \$0.25 PER TON \$2.55
HOST COUNTY FEE: @ \$3.00 PER TON \$30.54

IN OPERATOR: JESSICA - 70953

DRIVER: Wed Jun 2010 DB/18/10 11:32:24 OUT OPERATOR: JESSICA - 70953

www.waynetwplandfill.com E-MAIL: ccswa@waynetwplandfill.com

**CABOT-EPA 007678** 

Wayne Township La	indfill PADE	P Permit#100955	R	esidual '	Waste Ma	nifest No		
Generator Name	Cabot Oil & Gas	Corporation						
Generator Location	2H4H W	ELL-LAT414422.03	3N - LONG7	55400.74	4W - DIMO	CK TWP - SU	SQUEHANNA CTY	
Contact Name	Chris Lowman		Cell# 4	12-580-	8659	Officet	412-249-3927	
Profile CAB2	(3-letter code)		Carrier		(3-letter	code)	Truck#	
Customer/Charge To	809 (3-dig	it number)	Origin	58	(2-digit n	umber)		
WASTE		DESCRIPTION	OF WASTE				PERCENTAG	E
801 Odrilling re	iduals from natura	gas well drilling -	WTL EC#28	0344 - 5	/12/2010		1	.00%
(,//_	20 FOL	CONTI						
TOTAL PE	RCENTAGE						1	00%
treatment residue of a previous been treated in accordance water and accordance water and accordance water accordance water accordance water accordance water accordance water accordance water accordance water accordance water accordance water accordance water accordance water accordance water accordance water accordance water accordance water accordance water accordance water accordance water accordance water accordance water accordance water accordance water accordance water accordance water accordance water accordance water accordance water accordance water accordance water accordance water accordance water accordance water accordance water accordance water accordance water accordance water accordance water accordance water accordance water accordance water accordance water accordance water accordance water accordance water accordance water accordance water accordance water accordance water accordance water accordance water accordance water accordance water accordance water accordance water accordance water accordance water accordance water accordance water accordance water accordance water accordance water accordance water accordance water accordance water accordance water accordance water accordance water accordance water accordance water accordance water accordance water accordance water accordance water accordance water accordance water accordance water accordance water accordance water accordance water accordance water accordance water accordance water accordance water accordance water accordance water accordance water accordance water accordance water accordance water accordance water accordance water accordance water accordance water accordance water accordance water accordance water accordance water accordance water accordance water accordance water accordance water accordance water accordance water accordance water accordance water accordance water accordance water accordance water accordance water accordance water accordance water accordance water accordance water accordance water accordance water a	ith the requirements of 40	CFR 268 aust 15 no Dopker	7.		•	DATE		
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WEIGHMASTER SIG	NATURF	LICENSE#		MATE		TIMF (AN	A / PMI	

Wayne Township L	andfill PADEP Per	mit#100955 R	esidual Waste M	anifest No	
Generator Name	Cabot Oil & Gas Corpo	oration			
Generator Location	2H4H WELL-L	AT414422.03N - LONG7	55400.74W - DIMO	OCK TWP - SU	SQUEHANNA CTY
Contact Name	Chris Lowman	Cell# 4	12-580-8659	Office	# 412 <b>-</b> 249-3927
Profile CAB2	(3-letter code)	Carrier	(3-lette	r <b>co</b> de)	Truck#
Customer/Charge To	809 (3-digit nu	mber) Origin	58 (2-digit	number)	
WASTE	DE	SCRIPTION OF WASTE			PERCENTAGE
801 drilling re	siduals from natural gas v	vell drilling - WTL EC#28	0344 - 5/12/2010		1009
	Ochor Co	ny A			
TOTAL PI	RCENTAGE	L. L. L. L. L. L. L. L. L. L. L. L. L. L			1009
•	ously restricted hazardous wacte su with the requirements of 40 CFR 25	//			
GENERATOR SIGNA	TURE OF CERTIFICATIO	N/TITLE		DATE	<del></del>
Astron	- ///	1404 +	ilx 2011	6- to	6-10
TRANSPORTER DE	HYER SIGNATURE	WH# & MO/YR EXP		DATE	
Sound	The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s		×		
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BOX 209, MCELHATTAN, PA 17748 PHONE: 570-769-6977 FAX: 570-769-7366 HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00

TICKET: 404111 DATE: 6/16/2010

TIME: 10:32:11 - 11:35:44

TRUCK: ALLSTATE57

PROFILE: CAB2

CUSTOMER: 809/CABOT OIL & GAS CORPORATION

FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

GROSS: 65240 LBS Scale

TARE: 44520 LBS Scale

20720 LBS NET: TONS: 10.36 TNS

2H4H WELL - CABOT OIL & GAS GENERATOR 111/CABOT OIL & GAS CORP

GRID: 3004/N 3078.34 E 11036.03 ELE 659.12

COMMENT:

ORIGIN	MATERIALS & SERVICES	PCT QU	ANTITY RATE	AMOUNT
58/SUSQUEHANNA	801C/DRILLING RESIDUALS - C	100	10.36 @ \$37.50 per Ton	\$388.50
			TOTAL FEES:	\$46.62
			TOTAL AMOUNT:	\$435,12

EES COMPRISED OF THE FOLLOWING:

DISPOSAL/SERVICES: \$388.50 HOST COMMUNITY FEE: @ \$1.25 PER TON \$12.95 ENVIRONMENTAL STEWARDSHIP FEE: @ \$0.25 PER TON \$2.59 HOST COUNTY FEE: @ \$3.00 PER TON \$31.08

IN OPERATOR: JESSICA - 70953

OUT OPERATOR: JESSICA - 70953

www.waynetwplandfill.com E-MAIL: ccswa@waynetwplandfill.com

**CABOT-EPA 007681** 

Wayne Township Lan	dfill PADEP Per	mit#100955	Residual \	Vaste Manifest	No		
Ger erator Name	Cabot Oil & Gas Corpo	gration					Ì
Generator Location	2H4H WELL-L	AT414422.03N - LOI	NG755400.74	W - DIMOCK TW	P . SUS	QUEHANNA CTY	Ŀ
Contact Name	Chris Lowman	Cell	i# 4 <u>1</u> 2-580-8	659 °C	)ffice#	412-249-3927_	10
Profile CAB2	(3-letter code)	Carrio	er ADU	(3-letter code)		Truck# 5	lo
Customer/Charge To	809 (3-digit nu	mber) Origi	n 58	(2-digit numbe	er)		
WASTEA	DE	SCRIPTION OF WA	STE			PERCENTAGE	
801 drilling resid	uals from nathral gas v	vell drilling -, WILEC	#280344 - 5,	/12/2010		10	00%
1.11	M. J.M.	(1)7(1)					
TOTAL PER	CENTAGE )					10	0%
Generator Certification: I hereby	certify that the above named r	naterial(s) is not hazardous	waste as defined	by CFR Part 261 or any	apolicabl	d state	$\neg$
aw, has been properly describe	d and packaged and is in proper	condition for transportation	in according to ap	plicable regulations AN	ID If the W	6 S1 932 G	Į,
treatment residue of a previous)	y restricted hazardous waste su	bject to the Lary Till Dispos	al Restriction, I ce	rtify and warrant that I	ine waste	Itas	F
been treated in accordance with	the requirements of 40 CFR 26	Bandis no logger hazardou	n as defined by 40	CFR Part 251.			ļ
		ala m		6-16-			- 10
GENERATOR SIGNATI	IR OF CERTIFICATIO	N/TITLE /		DAT	E		- '
Y A K	メ/	1404 / 2	011	6	-16	1-0	- 7
TRANSPORTER - DRIV	ER SIGNATURE	WH# & MO/YR E	XPIRATION	DA	TE		Ţ
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LANDFILL WASTE INSI	ECTOR SIGNATURE	0400	ACCEPTED	REJE	CTED	0(	$\neg$
$ \times$ $\sim$	Ø	11115	(0	-110-10	8	(11.20)	- {
WEIGHMASTER TIGN	ATURF	UCFNSF#	DATE	TIM	FIAM	PIMI	
( )						T	

DIM0227454



I ~ BOX 209, MCELHATTAN, PA 17748 PHONE: 570-769-6977 FAX: 570-769-7366 HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00

TICKET: 404251 DATE: 6/17/2010

TIME: 07:58:07 - 08:55:26

NET:

TRUCK: ALLSTAT BL

CUSTOMER: 809/CABOT OIL & GAS CORPORATION

FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

**GROSS:** 59660 LBS Scale

TARE: 43260 LBS Scale 16400 LBS

PROFILE: CAB2 2H4H WELL - CABOT OIL & GAS

GENERATOR 111/CABOT OIL & GAS CORP GRID: DC2/N 2945.84 E 11264.02 ELE 656.69

TONS: 8.20 TNS

COMMENT:

ORIGIN PCT QUANTITY RATE AMOUNT **MATERIALS & SERVICES** 58/SUSQUEHANNA 801/DRILLING RESIDUALS 100 8.20 @ \$31.50 per Ton \$258.30 TOTAL FEES: \$86.10 TOTAL AMOUNT: \$344.40

. EES COMPRISED OF THE FOLLOWING:

DISPOSAL/SERVICES:	\$258.30
HOST COMMUNITY FEE: @ \$1.25 PER TON	\$10.25
PA RECYCLING FEE: @ \$2,00 PER TON	\$16.40
ENVIRONMENTAL STEWARDSHIP FEE: @ \$4.25 PER TON	\$34.85
HOST COUNTY FEE: @ \$3.00 PER TON	\$24.60

IN OPERATOR: TRACY - 066750

OUT OPERATOR: JESSICA - 70953 DRIVER: Thu Jun 2010 0017/10 08:55:24

www.waynetwplandfill.com E-MAIL: ccswa@waynetwplandfill.com

**CABOT-EPA 007683** 

Wayne To	wnship La	ndfill P	ADEP Permit#10095!	5 3	Residual	Waste M	anifest No		
Generato	r Name	Cabot Oil &	Gas Corporation					Constitution of the same of the same of	
Generator	Location	2H	4H WELL-LAT414422.0	3N - LONG	755400.7	4W - DIMO	OCK TWP - SU	SQUEHANNA CT	4
Contact N	ame	Chris Lowma	an	Cell# 4	112-580-	8659	Office	# 412 <mark>-2</mark> 49-3927	
Profile	CAB2	(3-letter cod	ie)	Carrier		_ (3-lette	r code)	Truck#_S	9
Customer/	Charge To	809 (3	3-digit number)	Origin	58	(2-digit	number)		
WASTE			DESCRIPTION	OF WAST	Ē			PERCENTA	GE
801	drilling res	duals from na	tural gas well drilling -	WTL EC#2	80344 - 5	5/12/2010			100%
	TOTAL PE	RCENTAGE							100%
ı	· ·	n	dous wasta subject to the lands	<i>^</i>				te nas	
L	france	///	TIFICATION / TITLE	404	July 2	011	DATE 67	16-10	
TRAMSPO	RTER - DRI	VER SIGNATI	TRE WH# & N	O/YR EXP	IRATION	1	DATE		
15	×KI	2	<del>-</del>		×				
LANDFILL	WASTE IN	SPECTOR SIG	NATURE ()	952	CCEPTE	0-1	- REJECTED	S:DD	
WEIGHM	ASTER SIG	UNTURE	EICÉNSF:	t -	DATE	-	TIME	Ty/ DIMI	
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DIM0227454



BOX 209, MCELHATTAN, PA 17748 PHONE: 570-769-6977 FAX: 570-769-7366 HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00 TICKET: 404253 DATE: 6/17/2010

TIME: 08:00:56 - 08:59;55

TRUCK: ALSTATE57

CUSTOMER: 809/CABOT OIL & GAS CORPORATION

FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

GROSS: 64640 LBS Scale

TARE: 43240 LBS Scale

PROFILE: CAB2 2H4H WELL - CABOT OIL & GAS NET: 21400 LBS GENERATOR 111/CABOT OIL & GAS CORP TONS: 10.70 TNS

GRID: DC2/N 2945.84 E 11264.02 ELE 656.69

COMMENT:

ORIGIN	MATERIALS & SERVICES	PCT Q	JANTITY RATE	AMOUNT
58/SUSQUEHANNA	801/DRILLING RESIDUALS	100	10.70 @ \$31.50 per Ton	<b>\$337.05</b>
			TOTAL FEES:	\$112.36
			TOTAL AMOUNT:	\$449.41

EES COMPRISED OF THE FOLLOWING:

DISPOSAL/SERVICES:	\$337.05
HOST COMMUNITY FEE: @ \$1.25 PER TON	\$13.38
PA RECYCLING FEE; @ \$2.00 PER TON	\$21.40
ENVIRONMENTAL STEWARDSHIP FEE: @ \$4.25 PER TON	\$45.48
HOST COUNTY FEE: @ \$3.00 PER TON	\$32.10

IN OPERATOR: TRACY - 066750

**CABOT-EPA 007685** 

DRIVER: Thu Jun 2010 06/17/10 08:58:54 OUT OPERATOR: JESSICA - 70953

www.waynetwplandfill.com E-MAIL: ccswa@waynetwplandfill.com

Wayne To	wnship La	ndfill P	ADEP Permit#1009	55 8	tesidual \	Naste M	anifest No		
Generato	r Name	Cabot Oil &	Gas Corporation						4. CT)
Generator	Location	2H	4H WELL-LAT414422.	.03N - LONG7	55400.74	W - DIMO	CK TWP S	USQUEHANN.	A CTY
Contact N	lame	Chris Lowma	an	Cell# 4	12-580-8	3659	Offic	e# 412-249-	3927
Profile	CAB2	(3-letter cod	de)	Carrier	APU	(3-lette	code)	Truck#	54
Customer/	Charge To	809 (3	3-digit number)	Origin	\$8	(2-digit	number)		
WASTE	T		DESCRIPTIO	N OF WASTE	:			PERCE	NTAGE
801	drilling res	iduals from na	atural gas well drilling	- WTL EC#2	30344 - 5	/12/2010			100%
	T								
	TOTAL PE	RCENTAGE							100%
Generator Cer	tification: I here	by certify that the a	above named material(s) is n	ot hazardous was	te as defined	by CFR Part	logs you appli	cable state	
aw, has been	properly describ	ed and packages a	and is in proper condition for	transportation ac	cording to ap	plicable regu	lations AND II t	he waste is a	
treatment resi	idue of a previo	sly restricted hazar	rdous waste subject to the Li	anofiji Disposal Re	striction, I co	ertify and wa	rant this the w	aste has	
been treated i	n accordance w	th the requirement	ts of 40 EFR 268 and it moon	nggr hazardous as	defined by 4	D CFR Part 26	1,		
		_		Van-		(/	1-15		
GENERAT	OR SIGNA	TURE OF CERT	TIFICATION / TITLE		/	Charles States	DATE	······································	
91	1/2		/	104 / 7	12011		6-16	- 10	
TRANSPO	RTER DR	VER SIGNATI		MO/YR EXP	RATION		DATE		
5	J.///			•	~2				
LANDFILL	WASTE IN	SPECTOR SIG	NATURE O	20.00A	CCEPTEL	)	REJECTE	De /	^
		$\angle X \cap X$	, )(	J433	17	7 M-	10	~X:5°	1 .
WEIGHM	ASTER SIG	NATURE	LICENSI	=	DATE	/	TIME (LD	MY PMI	
		( )							



PL DOX 209, MCELHATTAN, PA 17748 PHONE: 570-769-6977 FAX: 570-769-7366 HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00 TICKET: 404292 DATE: 6/17/2010

TIME: 10:32:30 - 11:08:03

TONS:

TRUCK: WM 41057

CUSTOMER: 809/CABOT OIL & GAS CORPORATION

FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

GROSS: 55660 LBS Scale

TARE: 37120 LBS Scale NET: 18540 LBS

9.27 TNS

PROFILE: CAB2 2H4H WELL - CABOT OIL & GAS

GENERATOR 111/CABOT OIL & GAS CORP

GRID: DC2/N 2945.84 E 11264.02 ELE 656.69

COMMENT:

ORIGIN	MATERIALS & SERVICES	PCT QU	PCT QUANTITY RATE		
58/SUSQUEHANNA	801/DRILLING RESIDUALS	100	9.27 @ \$31.50 per Ton	\$292.01	
			TOTAL FEES:	\$97.34	
			TOTAL AMOUNT:	\$389.35	

ZES COMPRISED OF THE FOLLOWING:

DISPOSAL/SERVICES:	\$292.01
HOST COMMUNITY FEE; @ \$1.25 PER TON	\$11.59
PA RECYCLING FEE: @ \$2.00 PER TON	\$18.54
ENVIRONMENTAL STEWARDSHIP FEE: @ \$4.25 PER TON	\$39,40
HOST COUNTY FEE: @ \$3.00 PER TON	\$27.81

IN OPERATOR: JESSICA - 70953

DRIVER: Thu Jun 2010 00017/10 11.08:00 OUT OPERATOR: JESSICA - 70953

www.waynetwplandfill.com E-MAIL: ccswa@waynetwplandfill.com

CABOT-EPA 007687

Wayne Township Landfill PADEP Permit#100955						esidual '	Waste Ma	nifest No	•
Generato	r Name	Cabot Gi	1 & Gas Corp	oration					
Generator	Location		2H4H WELL-I	LAT414422.0	N - LONG75	55400.74	OMIG - W	CK TWP - SU	ISQUEHANNA CTY
Contact N	lame	Chris Lov	vman		Cell# 41	12-580-	8659	Office	# 412-249-3927
Profile	CAB2	(3-letter	code)		Carrier W	114	(3-letter	code)	Truck# 452
Customer/	Charge To	809	(3-digit nu	mber)	Origin	58	(2-digit n	umber)	AND AND AND AND AND AND AND AND AND AND
WASTE			DI	SCRIPTION	OF WASTE				PERCENTAGE
801	drilling res	iduals fron	natural gas i	well drilling -	WTL ECH280	0344 - 5	/12/2010		100%
				gargateras en mandionas entre anti-					
	TOTAL PE	RCENTAG	Ē						100%
Generator Cer	tification: I here	by certify that	the above named	material(s) is not	hazardous wasta	a as defined	by CFR Part 26	ilqqs yns 10 £i	able state
law, has been	properly describ	ed and packug	ed and is in prope	r condition for tra	nsportation acco	ording to ap	splicable regula	tions AND It the	8 waste is a
treatment res	idue of a previou	sly restricted i	nazardous Wasta s	ubject to the lang	ill Disposal Resi	enctioN, I co	ertify and ware:	ant that the wa	ste has
been treated i	in accordance w	th the require	nents of 40 CT 022	Band is no longe	r harardous as d	efined by	O CFR Part 261.		
L		<		A.Z.	-		_//-	(0)	
GENERAT	OR SIGNAT	URE OF C	ERTHICATIO	N) THE	9		1-2	DATE	- 1.57.6
									-/17/10.
	RTER - DRI	ver signi	ATURE		O/YR EXPIR			DATE	tim tim
WIMIS	~~		04	mnek	WH1436				יסון רון סי
LANDFILL	. WASTE IN	SPECTOR!	SIGNATURE	$- \gamma 0$	753	CEPTER	0-17.	REJECTEI	311:08
WEIGHM	ASTER SIG	SAFURE	<i>A</i>	UCFNSF#		DATE		TIME (A	W DEWI
5,	e The St	2) 26	In the					•	
	- ( )2	- Ela	12-			~	_		
				•		•			

DIM0227454



PC BOX 209, MCELHATTAN, PA 17748 PHONE: 570-769-6977 FAX: 570-769-7366 HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00 TICKET: 404295 DATE: 6/17/2010

TIME: 10:37:33 - 11:14:15

TRUCK: WM410037

CUSTOMER: 809/CABOT OIL & GAS CORPORATION

FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

GROSS: 64040 LBS Scale

TARE: 36700 LBS Scale

PROFILE: CAB2 2H4H WELL - CABOT OIL & GAS NET: 27340 LBS GENERATOR 111/CABOT OIL & GAS CORP TONS: 13.67 TNS

GRID: DC2/N 2945.84 E 11264.02 ELE 656.69

COMMENT:

ORIGIN	MATERIALS & SERVICES	•	JANTITY RATE ,	AMOUNT
58/SUSQUEHANNA	801/DRILLING RESIDUALS	100	13.67 @ \$31.50 per Ton	\$430.61
			TOTAL FEES:	\$143.54
			TOTAL AMOUNT:	\$574.15

. LES COMPRISED OF THE FOLLOWING:

DISPOSAL/SERVICES:	\$430,61
HOST COMMUNITY FEE: @ \$1.25 PER TON	\$17.09
PA RECYCLING FEE: @ \$2.00 PER TON	\$27.34
ENVIRONMENTAL STEWARDSHIP FEE: @ \$4.25 PER TON	\$58.10
HOST COUNTY FEE: @ \$3.00 PER TON	\$41.01

IN OPERATOR: JESSICA - 70953

DRIVER: Thu Jun 2010 00017/10 11:14:12 OUT OPERATOR; JESSICA - 70953

www.waynetwplandfill.com E-MAIL: ccswa@waynetwplandfill.com

CABOT-EPA 007689

Wayne Township Landfill			PADEP Permi	t#100955		Residual	Waste Ma	nifest No	
Generato	r Name	Cabot Oil	& Gas Corpora	etion				•	
Generator	Location		ZHAH WELL-LAT	414422.03N	- LONG	755400.74	W - DIMO	CK TWF - SUSC	QUEHANNA CTY
Contact N	lame	Chris Low	man		Cell#	412-580-	8659	Office#	412-249-3927
Profile	CAB2	(3-letter	ode)		Carrier	WM	(3-letter	code)	Truck#4/6037
Customer/	Charge To	809	(3-digit numb	per)	Origin	58	(2-digit r	number)	برج ميداد سباد اسا
WASTE			DESC	RIPTION O	F WAST	Ε			PERCENTAGE
801	drilling res	iduals from	natural gas wel	ll drilling - W	ITL EC#2	80344 - 5	/12/2010		100%
	TOTAL PE	RCENTAGE				***************************************	<del></del>		100%
Generator Cer	tification: I here	by certify that it	ne above named mate	erial(s) is not ha:	ardous wa	sta as defined	by CFR Part 2	61 or any applicable	51318
law, has been	properly describ	ed and package	s and is in proper cor	ndition for trans	portation a	ccording to ap	pplicable regul	itions AND If the wa	este is a
treatment resi	due of a previou	isly restricted hi	ezardous waste subje	ct to the language	Disposal R	estriction, I co	ertify and warr	ant that the waste	has
been treated :	n accordance wi	th the requirem	ents of 40 CFR 268 ag	o loyeer	azardous as	defined by 4	0 CFR Part 261	<b>.</b> .	
				70	<u> </u>	6-	17-1	<u> </u>	
GENERAT	OR SIGNAT	URE OF CE	RTIFICATION	TITLE		•		DATE	
			ί						
TRANSPO	RTER DRI			MH# & MO		IRATION		DATE	
L	02/1	BHO- 1	STINGA.	WH147	36	X166 8	Foot!	6-17	7-/8
LANDFILL	WASTE IN	SPECTOR S	IGNATURE .		Ĭ	CCEPTEL	)	REJECTED	
	· · · · · · · · · · · · · · · · · · ·								1
WEIGHM	ASTER SIGN	VATURE	. l	LICENSER	0	TAC	17-1	TIME IAM	PILL BUNG
	SYLL			107	ح د	0	-11-1	· .	[17]
				-					

DIM0227454



PHONE: 570-769-6977 FAX: 570-769-7366 HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00 TICKET: 404299 DATE: 6/17/2010

TIME: 10:40:57 - 11:20:06

TRUCK: WM 409026

CUSTOMER: 809/CABOT OIL & GAS CORPORATION

FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

GROSS: 66180 LBS Scale

TARE: 35660 LBS Scale

NET: 30520 LBS

PROFILE: CAB2

CAB2 2H4H WELL - CABOT OIL & GAS

NET: 30520 LBS TONS: 15,26 TNS

GENERATOR 111/CABOT OIL & GAS CORP

GRID: DC2/N 2945.84 E 11264.02 ELE 656.69

COMMENT:

ORIGIN	MATERIALS & SERVICES	PCT QU	ANTITY RATE	AMOUNT
58/SUSQUEHANNA	801/DRILLING RESIDUALS	100	15.26 @ \$31.50 per Ton	\$480.69
			TOTAL FEES:	\$160.24
			TOTAL AMOUNT:	\$640.93

EES COMPRISED OF THE FOLLOWING:

DISPOSAL/SERVICES:	\$480.69
HOST COMMUNITY FEE: @ \$1.25 PER TON	\$19.08
PA RECYCLING FEE; @ \$2.00 PER TON	\$30.52
ENVIRONMENTAL STEWARDSHIP FEE: @ \$4.25 PER TON	\$64.86
HOST COUNTY FEE: @ \$3.00 PER TON	\$45.78

IN OPERATOR: JESSICA - 70953

DRIVER: Thusun 2010 06/17/10 11:20 04 OUT OPERATOR: JESSICA - 70953

www.waynetwplandfill.com E-MAIL: ccswa@waynetwplandfill.com

CABOT-EPA 007691

Wayne To	waship La	ndfill	PADEP Per	mit#100955	Re	sidual '	Waste Ma	nifest No		
Generato	-		& Gas Corp	oration						
Generator	Location		2H4H WELL-L	AT414422.03	IN - LONG75	5400.74	W - DIMO	CK TWP - SUS	QUEHANNA CTY	
Contact N	lame	Chris Lov	vinan		Celi# 41	2-580-8	8659	Office#	412-249-3927	
Profile	CAB2	(3-letter	code)		Carrier W	· M	(3-letter	code)	Truck#169036	
Customer/	Charge To	809	(3-digit nu	mber)	Origin	58	(2-digit n	umber)	And the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of t	
WASTE			DB	SCRIPTION	OF WASTE				PERCENTAGE	
801	drilling res	iduals from	natural gas v	vell drilling -	WTL EC#280	)344 - 5	/12/2010		100%	
	TOTAL PE	RCENTAGI							100%	
been treated i	Generator Certification: Thereby certify that the above named material(s) is not hazardous waste as defined by CFR Part 263 or any applicable state flaw, has been properly described and packaged and is in proper condition for transportation according to applicable regulations AND if the waste is a seatment residue of a previously restricted hazardous waste subject to the Landfill Osfosal Restruction, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is not apply hazardous as defined by 40 CFR Part 261.									
GENERAL	A CAR	MAL	ERTIFICATIO	4143L	· FEB	20	11	DATE	17-10	
TRANSPORTER DRIVER SIGNATURE WH# & MO/YR EXPIRATION DATE										
LANDFILL	WASTE IN	SPEETOR	SIGNATURE		AC	CEPTEL	)	REJECTED	\	
MEIGHM	ASTER SIGI	NATURE		UCENSE#	753	DATE	10-17	TING LIAM	PM: 00	

DIM0227454



HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00

TICKET: 404302 DATE: 6/17/2010

TIME: 10:46:00 - 11:23:47

TRUCK: WM 411528

CUSTOMER: 809/CABOT OIL & GAS CORPORATION

FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

GROSS: 62120 LBS Scale

TARE: 36340 LBS Scale

PROFILE: CAB2 2H4H WELL - CABOT OIL & GAS NET: 25780 LBS GENERATOR 111/CABOT OIL & GAS CORP TONS: 12.89 TNS

GRID: DC2/N 2945.84 B 11264.02 ELE 656.69

COMMENT:

ORIGIN	MATERIALS & SERVICES	PCT QU	ANTITY RATE	AMOUNT
58/SUSQUEHANNA	801/DRILLING RESIDUALS	100	12.89 @ \$31.50 per Ton	\$406.04
			TOTAL FEES:	\$135.34
			TOTAL AMOUNT:	\$541.38

. EES COMPRISED OF THE FOLLOWING:

DISPOSAL/SERVICES:	\$406.04
HOST COMMUNITY FEE: @ \$1,25 PER TON	\$16,11
PA RECYCLING FEE: @ \$2.00 PER TON	\$25.78
ENVIRONMENTAL STEWARDSHIP FEE: @ \$4.25 PER TON	\$54.78
HOST COUNTY FEE: @ \$3.00 PER TON	\$38.67

IN OPERATOR: JESSICA - 70953

DRIVER: Thu Jun 2010 08/17/10 11:23:46 OUT OPERATOR; JESSICA - 70953

 $www.waynetwpland fill, com \\ E-MAIL: ccswa@waynetwpland fill, com$ 

CABOT-EPA 007693

Wayne Township Landfill PADEP Permit#100955					. Re	sidual V	Naste Ma	nifest No		
Generato	r Name	Cabot Oi	l & Gas Corpo	pration					V	
Generator	Location		2H4H WELL-L	AT414422.03	N - LONG75	5400.74	W - DIMO	CK TWP - SU	SQUEHAN	INA CTY
Contact N	lame	Chris Lov	vman		Cell# 41	2-580-8	659	Office#	412-249	9-3927
Profile	CAB2	(3-letter	code)		Carrier		(3-letter	code)	Truc	k#4//528
Customer/	Charge To	809	(3-digit nui	mber)	Origin	58	(2-digit n	umber)		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
WASTE			DE	SCRIPTION (	OF WASTE				PER	CENTAGE
801	drilling res	iduals fron	natural gas v	vell drilling - 1	WTL EC#280	344 - 5/	12/2010			100%
										* · · · · · · · · · · · · · · · · · · ·
	TOTAL PE	RCENTAG	E							100%
Generator Cer	tification: I here	by certify that	the above named r	naterial(s) is not h	azardous waste	as defined	by CFR Part 28	a or any applicat	in state	
law, has been	properly describ	ed and packag	ed and is in proper	condition for tran	aportpilan acco	rding to app	plicable regula	tions AND II the	waste is a	
treatment resi	idue of a previou	usly restricted	hazardous Waste su	bject to the Lands	Al Disposal Rest	rictioN, I ce	rtify and ward	ant that the wast	e has	
been treated :	n accordance wi	th the require	ments of 40 CFR 26	and is rolonge	nayardous as de	tined by 40	Part 361	-10		
GENERAT	OR SIGNAT	URE OF C	ERTIFICATION	W/ TIPLE	11436	2/2	2011	DATE	6-/; =70	2/0
TRANSPO	RTER-ORI	VER SIGN	ATURE /	WH# & M(	O/YR EXPIR	ATION		DATE		
LANDFILL	WASTE IN	SPECTOR	SIGNATURE	70	1954	CEPTED	0-17	REJECTED		11:23
IMEIGHM	ASTER SIGI	NATURE		I I CFNSF#		DATE		TIME (AN	1 / PRAI	

DIM0227454



PO BOX 209, MCELHATTAN, PA 17748 PHONE: 570-769-6977 FAX: 570-769-7366 HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00 TICKET: 404306 DATE: 6/17/2010

TIME: 10:47:47 - 11:29:11

TRUCK: WM411901

CUSTOMER: 809/CABOT OIL & GAS CORPORATION

FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

GROSS: 60120 LBS Scale

TARE: 36320 LBS Scale

PROFILE: CAB2 244H WELL - CABOT OIL & GAS NET: 23800 LBS GENERATOR 111/CABOT OIL & GAS CORP TONS: 11.90 TNS

GRID: DC2/N 2945.84 E 11264.02 ELE 656.69

COMMENT:

DRIGIN MATERIALS & SERVICES		`	PCT QUANTITY RATE		
58/SUSQUEHANNA	801/DRILLING RESIDUALS	100	11.90 @ \$31.50 per Ton	\$374.85	
			TOTAL FEES:	\$124.96	
			TOTAL AMOUNT:	\$499.81	

FEES COMPRISED OF THE FOLLOWING:

DISPOSAL/SERVICES:	\$374.85
HOST COMMUNITY FEE: @ \$1.25 PER TON	\$14.88
PA RECYCLING FEE: @ \$2.00 PER TON	\$23.80
ENVIRONMENTAL STEWARDSHIP FEE; @ \$4,25 PER TON	\$50.58
HOST COUNTY FEE: @ \$3.00 PER TON	\$35.70

IN OPERATOR: JESSICA - 70953

www.waynetwplandfill.com E-MAIL: ccswa@waynetwplandfill.com

CABOT-EPA 007695

Wayne Township Landfill		ndfill	PADEP Permi	Residual Waste Manifest No						
Generato	r Name	Cabot O	il & Gas Corpora	ation						-,
Generator	Location		ZH4H WELL-LAT	414422.031	I - LONG7	55400.74	tw - DIMC	CK TWP - S	USQUEHA	INNA CTY.
Contact Name		Chris Lowman			Cell# 412-580-86		8659	Office	e# 412-2	49-3927
Profile	CAB2 (3-letter code)		code)	-	Carrier ULIA			code)	Tru	ick# 411901
Customer	Charge To	809	(3-digit numl	ber)	Origin	58	(2-digit	number)		
WASTE DESCRIPTION OF WASTE .									PE	RCENTAGE
801	801 drilling residuals from natural gas well drilling - WTL EC#280344 - 5/12/2010									100%
										***************************************
	TOTAL PE	RCENTAG	E							100%
Generator Cer	tification: I-here	by certify that	the above named mat	erial(s) is not ha	zardous wast	e as defined	by CFR Part 2	61 or any applic	coble state	
iaw, has been	properly describ	ed and packa	ged and is in proper co	ndition for trans	portation acc	ording to as	ugar sidesilqo	ations AND If th	e waste is a	
ticatoient resi	due of a previou	usly restricted	hacardous waste subje	ect to the sondfil	l Disposal Res	trictioN, I c	ertify and war	rant that the wa	sste has	
been treated:	n accordance w	ith the require	ments of 40 CFR 268	no onger n	azardous as d	erined by 4	O CFR Part 26:			
				the		67	!/~/()			
GENERAT	OR SIGNA	TURE OF C	ERTIFICATION	/ TITLE	1	- B	CALL	DATE		
Dien		!' ·	MN /	4 36	-F		2011		· 	9-17-10
TRANSPO	RTER - PRI	IVER SIGN	ATURE 1	WH# & MO	/YR EXP	RATION		DATE		
#	<u> </u>	Ly				<u> </u>				name of particular and a particular and a particular and a particular and a particular and a particular and a particular and a particular and a particular and a particular and a particular and a particular and a particular and a particular and a particular and a particular and a particular and a particular and a particular and a particular and a particular and a particular and a particular and a particular and a particular and a particular and a particular and a particular and a particular and a particular and a particular and a particular and a particular and a particular and a particular and a particular and a particular and a particular and a particular and a particular and a particular and a particular and a particular and a particular and a particular and a particular and a particular and a particular and a particular and a particular and a particular and a particular and a particular and a particular and a particular and a particular and a particular and a particular and a particular and a particular and a particular and a particular and a particular and a particular and a particular and a particular and a particular and a particular and a particular and a particular and a particular and a particular and a particular and a particular and a particular and a particular and a particular and a particular and a particular and a particular and a particular and a particular and a particular and a particular and a particular and a particular and a particular and a particular and a particular and a particular and a particular and a particular and a particular and a particular and a particular and a particular and a particular and a particular and a particular and a particular and a particular and a particular and a particular and a particular and a particular and a particular and a particular and a particular and a particular and a particular and a particular and a particular and a particular and a particular and a particular and a particular and a particular and a particular and a particular and a particular and
LANDFILL	WASTE IN	SPECTOR	SIGNATURE _	-	Aí	CEPTEL	) i,	REJECTE	D 1 1.	$\sim 9$
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IMFIGHM	ASTER SIG	NATURE	_	I I CENSE		DATE		TIME(10	וווים ל וויו	

DIM0227454



PO BOX 209, MCELHATTAN, PA 17748 PHONE: 570-769-6977 FAX: 570-769-7366 HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00 TICKET: 404308 DATE: 6/17/2010

TIME: 10:51:41 - 11:33:41

TRUCK: WM 449

CUSTOMER: 809/CABOT OIL & GAS CORPORATION

FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

GROSS: 62360 LBS Scale

TARE: 36400 LBS Scale

PROFILE: CAB2 244H WELL - CABOT OIL & GAS NET: 25960 LBS GENERATOR 111/CABOT OIL & GAS CORP TONS: 12.98 TNS

GRID: DC2/N 2945.84 E 11264.02 ELE 656.69

COMMENT:

ORIGIN	MATERIALS & SERVICES	~	UANTITY RATE	AMOUNT
58/SUSQUEHANNA	801/DRILLING RESIDUALS	100	12.98 @ \$31.50 per Ton	\$408.87
			TOTAL FEES:	\$136,30
			TOTAL AMOUNT:	\$545.17

L'EES COMPRISED OF THE FOLLOWING:

DISPOSAL/SERVICES:	\$408.87
HOST COMMUNITY FEE: @ \$1.25 PER TON	\$16.23
PA RECYCLING FEE: @ \$2.00 PER TON	\$25,96
ENVIRONMENTAL STEWARDSHIP FEE: @ \$4.25 PER TON	\$55.17
HOST COUNTY FEE: @ \$3.00 PER TON	\$38.94

IN OPERATOR: JESSICA - 70953

DRIVER: This Jun 2010 00017/10 11:33-40 OUT OPERATOR: JESSICA - 70953

www.waynetwplandfill.com E-MAIL: ccswa@waynetwplandfill.com

CABOT-EPA 007697

Wayne To	ownship La	ndfill	PADEP P	ermit#1009	955 R	esidual	Waste Ma	anifest No	13131	
Generato	r Name	Cabot O	II & Gas Co	rporation						
Generator	Location		2H4H WEL	L-LAT414422	2.03N - LONG7	55400.74	w - DIMC	OCK TWP - S	USQUEHANN	IA CTY
Contact N	lame	Chris Lov	wman		Cell# 4	12-580-	8659	Office	e# 412-249-	3927
Profile	CAB2	(3-letter	code)		Carrier		(3-letter	r code)	Trucki	Lilia .
Customer	/Charge To	809	(3-digit ı	number)	Origin	58	(2-digit	number)		
WASTE				DESCRIPTIC	N OF WASTE				PERCI	ENTAGE
801	drilling resi	iduals fron	n natural ga	s well drillin	g - WTL EC#28	0344 - 5	/12/2010			100%
										***************************************
	TOTAL PE	RCENTAG	E							100%
Generator Cer	tification: I here	by certify that	the above nam	ed material(s) is:	not hazardous wast	e as defined	by CFR Part 2	261 or any applic	able state	
law, has been	properly describ	ed and packag	ged and is in pro	per condition fo	r transportation acc	ording to as	plicable regul	lauons AND it th	ie wasto is a	
treatment res	idue of a previou	isly restricted	hazardous wast	e subject to the i	iandfill Disposal Res	trictioN, I c	ertify and war	rant that the wa	iste has	
been treated i	in accordance wi	th the require	ments of 40 CFR	1 268 277 is no ly	nger hazardous as o	efined by 4	O CFR Part 26	1.		
					-		5-//	-/5_		
GENERAT	OR SIGNAT	URE OF C	ERTIFICAT	ION /TITLE	_		_ ,	DATE		
					-					
TRANSPO	RERNDRI	VER SIGN	ATURE	WH# &	MO/YR EXPI	RATION	· -	DATE	1.10	.1/3
	(4X1X) Y	$\Delta\Delta$	$\triangle$		21436	Fer	7 5011			-10
LANDFILL	WASTE IN	SPECTOR	SIGNÀTUR	E XX	MACH	XEPTEL	Š	REJECTE	D	
						·			<del></del>	02
IWFIGHM	ASTER SIGI	VATURE	2	HICENS	F#	DATE		TIME LO	i fritua ( ve	$\mathcal{D}$
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DIM0227454



PO BOX 209, MCELHATTAN, PA 17748 PHONE: 570-769-6977 FAX: 570-769-7366 HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00 TICKET: 404316 DATE: 6/17/2010

TIME: 11:05:34 - 11:44:01

TRUCK: WM 411601

CUSTOMER: 809/CABOT OIL & GAS CORPORATION

FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

GROSS: 70720 LBS Scale

TARE: 38100 LBS Scale

PROFILE: CAB2 244H WELL - CABOT OIL & GAS NET: 32620 LBS GENERATOR 111/CABOT OIL & GAS CORP TONS: 16.31 TNS

GRID: DC2/N 2945.84 E 11264.02 ELE 656.69

COMMENT:

ORIGIN	MATERIALS & SERVICES	PCT Q	UANTITY RATE	AMOUNT
58/SUSQUEHANNA	801/DRILLING RESIDUALS	100	16.31 @ \$31.50 per Ton	\$513.77
			TOTAL FEES:	\$171.26
	•		TOTAL AMOUNT:	\$685,03

LEES COMPRISED OF THE FOLLOWING:

DISPOSAL/SERVICES:	\$513.77
HOST COMMUNITY FEE: @ \$1.25 PER TON	\$20.39
PA RECYCLING FEE: @ \$2,00 PER TON	\$32.62
ENVIRONMENTAL STEWARDSHIP FEE: @ \$4.25 PER TON	\$69.32
HOST COUNTY FEE: @ \$3.00 PER TON	\$48.93

IN OPERATOR: JESSICA - 70953

DRIVER: Thudun 2010 06/17/10 11:42:58 OUT OPERATOR; JESSICA - 70953

www.waynetwplandfill.com E-MAIL: ccswa@waynetwplandfill.com

CABOT-EPA 007699

Wayne To	wnship La	ndfill	PADEP Permit#1	00955	Residual	Waste Mar	ifest No	
Generato	r Name	Cabot Oil	& Gas Corporation	ก				
Generator	Location		2H4H WELL-LAT414	1422.03N - LON	G755400.7	4W - DIMOC	KTWP SUS	QUEHANNA CTY
Contact N	lame	Chris Low	man	Cell	# 412·580·	8659	Office#	412-249-3927
Profile	CAB2	(3-letter	code)	Carrie	wm	_ (3-letter c	ode)	Truck# 411601
Customer/	Charge To	809	(3-digit number	) Origin	1 58 ·	(2-digit no	ımber)	-457
WASTE			DESCRI	TION OF WA	TE			PERCENTAGE
801	drilling res	duals from	natural gas well di	illing - WTL EC	¥280344 - S	5/12/2010		100%
	TOTAL PE	RCENTAGE						100%
Generator Cer	tification: I here	by certify that t	he above named material	(s) is not hazardous	waste as define	d by CFR Part 261	or any applicable	v state
law, has been	properly describ	ed and package	ed and is in proper conditi	on for transportatio	according to a	pplicable regulat	ions AND () the w	aste is a
treatment rosi	idue ota previos	sly restricted h	azardous wasta subject to	the Landfill Dispose	i RestrictioN, to	ertify and warra	ni that the wasie	has
been treated i	n accordance wi	th the requiren	ents of 40 CFR 268 and je	no to regritar race	as defined by	60 CFR Part 261.	, ,	
				to do		-//-/	Q	
GENERAT		TURE OF CI	ERTIFICATION / TI	TLE MI	3(0.	TOB.	2071 1	0-17-10
TRANSPO	RTER - DRI	VER SIGNA	ATURE VAH	# & MO/YRE	KPIRATION	١,	DATE	
STEAND	marasca	water II	negal Texts	6/17/1	2 × 241	<u>ack</u>		
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				***************				·
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5/2	41 4 GC	15.	7	1953	10	17-10	$\cdot$	1:44
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DIM0227454



PU BOX 209, MCELHATTAN, PA 17748 PHONE: 570-769-6977 FAX: 570-769-7366 HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00

TICKET: 404318 DATE: 6/17/2010

TIME: 11:10:25 - 11:48:09

TRUCK: WM 408793

CUSTOMER: 809/CABOT OIL & GAS CORPORATION

FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

GROSS: 68060 LBS Scale

TARE: 35800 LBS Scale

PROFILE: CAB2 2H4H WELL - CABOT OIL & GAS NET: 32260 LBS

GENERATOR 111/CABOT OIL & GAS CORP

TONS: 16.13 TNS

GRID: DC2/N 2945.84 E 11264.02 ELE 656.69

COMMENT:

ORIGIN	MATERIALS & SERVICES	•	JANTITY RATE	AMOUNT
58/SUSQUEHANNA	801/DRILLING RESIDUALS	100	16.13 @ \$31.50 per Ton	\$508.10
			TOTAL FEES:	\$169.36
			TOTAL AMOUNT:	\$677.46

LEES COMPRISED OF THE FOLLOWING:

DISPOSAL/SERVICES:	\$508.10
HOST COMMUNITY FEE: @ \$1.25 PER TON	\$20.16
PA RECYCLING FEE: @ \$2.00 PER TON	\$32.26
ENVIRONMENTAL STEWARDSHIP FEE: @ \$4.25 PER TON	\$68.55
HOST COUNTY FEE: @ \$3.00 PER TON	\$48.39

IN OPERATOR: JESSICA - 70953

DRIVER: Thu Jun 2010 05/17/10 11:48:08 OUT OPERATOR: JESSICA - 70953

www.waynetwplandfill.com E-MAIL: ccswa@waynetwplandfill.com

CABOT-EPA 007701

DIM0228934 DIM0227454

Wayne To	wnship La	ndfill I	PADEP Permit#100	955	Residual	Waste !	Vlanifest	No		
Generato	r Name	Cabot Oil &	Gas Corporation							
Generator	Location	2	14H WELL-LAT41442:	2.03N - LONG	755400,7	4W - DIN	NOCK TW	o susc	QUEHAN	NA CTY
Contact N	lame	Chris Lown	ran		412-580	-8659	G	ffice#	412-249	-3927
Profile	CAB2	_(3-letter co	de)	Carrier	WIN	(3-lett	er code)		Truck	# 40779
Customer/	Charge To	809 (	3-digit number)	Origin	58	(2-digi	t numbe	r)		~
WASTE			DESCRIPTION	ON OF WAST	E				PERC	ENTAGE
801	drilling res	iduals from n	atural gas well drillir	ng - WTL EC#2	280344 -	5/12/201	0			100%
	TOTAL PE	RCENTAGE								100%
Generator Cer	tification: I here	by certify that the	above named material(s) is	not hazardous wa	iste as define	d by CFR Pai	t 161 or any	a), plicable	state	
lew, has been	properly describ	ed and packaged:	and is in proper condition fo	r transportation a	according to	applicable re	Britagions Áv	ii the wa	ste is a	
(reatment res)	due of a previou	isly restricted haza	rdous waste subject to the	Landfill Exspessiff	testriction, I	certify and w	rarrant that t	re waste t	145	
been treated i	n accordance wi	th the requiremen	its of 40 CFR 258 and IN THE	nger haz rdous a	s defined by	40 CFR Part	251.			
				Las	<u>-</u>	(5)	1-10	<u> </u>		
GENERAT	OR SIGNAT	URE OF CER	TIFICATION / TITLE	1 10	02.	ء حسي	DAT	E		
	shary,	Patro	/ WH1436	2 10	8 201		911	1/1/	)	
TRANSPO	RTER - DRI	VER SIGNAT	URE WH# 8	MO/YR EXI	PIRATIO	Ų	DA	74		
	(K. 11/4)				$\times$					
LANDFILL	WASTE IN	SPÉCTOR STO	INATURE		ACCEPTE	ס	REJE	CTED		(
		7						<u>/</u>	<b></b>	104)
IWFIGHM	ASTER SIG		LICENS	翌957	DATI	0-17	-10 ^M	FAM	PRAS	1-11
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DIM0227454



BOX 209, MCELHATTAN, PA 17748
PHONE: 570-769-6977 FAX: 570-769-7366

TICKET: 404476 DATE: 6/18/2010

HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00

TIME: 09:50:35 - 10:18:48

TRUCK: WM 41057

CUSTOMER: 809/CABOT OIL & GAS CORPORATION

FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

GROSS: 64720 LBS Scale

TARE: 36860 LBS Scale

PROFILE: CAB2 2H4H WELL - CABOT OIL & GAS GENERATOR 111/CABOT OIL & GAS CORP

NET: 27860 LBS TONS: 13.93 TNS

GRID: DC2/N 2945.84 E 11264.02 ELE 656.69

COMMENT:

ORIGIN	MATERIALS & SERVICES	ERVICES PCT QUANTITY RATE		AMOUNT
58/SUSQUEHANNA	801/DRILLING RESIDUALS	100	13.93 @ \$31.50 per Ton	\$438.80
			TOTAL FEES:	\$146.26
			TOTAL AMOUNT:	\$585.06

. EES COMPRISED OF THE FOLLOWING:

DISPOSAL/SERVICES:	\$438.80
HOST COMMUNITY FEE: @ \$1.25 PER TON	\$17.41
PA RECYCLING FEE: @ \$2.00 PER TON	\$27.86
ENVIRONMENTAL STEWARDSHIP FEE: @ \$4.25 PER TON	\$59.20
HOST COUNTY FEE: @ \$3.00 PER TON	\$41.79

IN OPERATOR: JESSICA - 70953

DRIVER: Fri Jun 2010 08/18/10 10:18:46 OUT OPERATOR: JESSICA - 70953

www.waynetwplandfill.com E-MAIL: ccswa@waynetwplandfill.com

CABOT-EPA 007703

Wayne To	wnship La	ndfill	PADEP Pe	rmit#100959	, F	esidual	Waste Ma	enifest No	***************************************	
Generator	enerator Name Cabot Oil & Gas Corporation									
Generator	enerator Location 2H4H WELL-LAT414422.03N - LONG755400.74W - DIMOCK TWP - SUSQUEHANNA CTY									
Contact N	ame	Chris Lov	vman		Cell# 4	12-580-	8659	Office	e# 412-249	
Profile	CAB2	(3-letter	code)		Carrier		(3-letter	code)	Truck	(# 4105 I
Customer/	Charge To	809	(3-digit nu	ımber)	Origin	58	(2-digit	number)		
WASTE			g	ESCRIPTION	OF WASTE				PER	CENTAGE
801	drilling res	iduals from	natural gas	well drilling -	WTL EC#28	10344 - 5	/12/2010			100%
	TOTAL PE	RCENTAGE								100%
1				material(s) is not er condition for tra						
1				subject to the Abic						
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GENERAT	OR SIGNAT	URE OF C	ERTIFICATIO		0.0	~ ~ ^	7	DATE	1. 01.	`
Wim	Bu	HAREND.	ende	WH1436	Ex.P	FEB	2011		6/18/1	<i>U</i>
TRANSPO	RTER - DRI	VER SIGN	ATURE	WH# & M	O/YR EXP	RATION		DATE		
Mull	seral 1	O) Dus	GF		1 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 1	1				
LANDFILL	WASTE IN	SPECTOR !	SIGNATURE	70	252	CCEPTE	3-18-	REJECTE	1:02	8
WEIGHM	STER SIG	TIRE		LICENSER		DATE		TIME	IND PART	



. _ BOX 209, MCELHATTAN, PA 17748 PHONE: 570-769-6977 FAX: 570-769-7366

HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00

TICKET: 404479 DATE: 6/18/2010

TIME: 09:53:53 - 10:24:39

TRUCK: WM 449

CUSTOMER: 809/CABOT OIL & GAS CORPORATION

FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

2H4H WELL - CABOT OIL & GAS

59700 LBS Scale GROSS:

36540 LBS Scale TARE:

NET: 23160 LBS TONS: 11.58 TNS

PROFILE: CAB2/ GENERATOR 111/CABOT OIL & GAS CORP

GRID: DC2/N 2945.84 E 11264.02 ELE 656.69

COMMENT:

ORIGIN MATERIALS & SERVICE		PCT Q	UANTITY RATE	AMOUNT
58/SUSQUEHANNA	801/DRILLING RESIDUALS	100	11.58 @ \$31.50 per Ton	\$364.77
			TOTAL FEES:	\$121.60
			TOTAL AMOUNT:	\$486,37

. EES COMPRISED OF THE FOLLOWING:

DISPOSAL/SERVICES:	\$364.77
HOST COMMUNITY FEE; @ \$1.25 PER TON	\$14.48
PA RECYCLING FEE: @ \$2.00 PER TON	\$23.16
ENVIRONMENTAL STEWARDSHIP FEE: @ \$4.25 PER TON	\$49.22
HOST COUNTY FEE: @ \$3.00 PER TON	\$34.74

IN OPERATOR: JESSICA - 70953

**CABOT-EPA 007705** 

OUT OPERATOR: JESSICA - 70953 DRIVER: __Fri Jun 2010 08/18/10 10 24:38

www.waynetwplandfill.com E-MAIL: ccswa@waynetwplandfill.com

DIM0228938 DIM0227454

		*							
Wayne To	wnship La	ndfill	PADEP Per	mit#100955		tesidual V	Vaste Mar	nifest No	
Generato	r Name	Cabot Oi	I & Gas Corp	oration					
Generator	Location		2H4H WELL-L	LAT414422.03	N - LONG	55400.74	w - DIMOC	K TWP - SUS	QUEHANNA CTY
Contact N	lame	Chris Lov	wman		Cell# 4	12-580-8	659	Office#	412-249-3927
Profile	CAB2	(3-letter	code)		Carrier		(3-letter	rode)	Truck# 449
Customer/	Charge To	809	(3-digit nu	mber)	Origin	58	(2-digit n	umber)	4000164
WASTE			DE	ESCRIPTION	OF WASTI	=			PERCENTAGE
801	drilling res	iduals fron	n natural gas v	well drilling -	WTL EC#2	30344 - 5,	/12/2010		100%
	TOTAL PE	RCENTAG	E						100%
Generator Cer	tification: I here	by certify that	the above named	material(s) is not l	hazardous was	te as defined	by CFA Part 26	1 or any applicabl	u state
law, has been	properly descri	bed and packas	ged and is in prope	r condition for tra	nsportation ac	cording to ap	plicable regular	tions AND it the w	raste is 5
treatment res	due of a previo	usly restricted	hazardous waste s	ubject to the tand	ifiil Disposal Re	seriction, I ce	rtify and warra	int that the waste	: has
been treated i	n accordance w	ith the require	ments of 40 CFR 36	69 and is/no yonge	r nazərdous as	defined by 40	CFR Part 261.	_	
L				- h lun		10-1	18-11	2	
GENERAT	OR SIGNA	TURE OF C	ERTIFICATIO	N/TITLE			7 .	DATE	10:10
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TRANSPO	RTER - DR	IVER SIGN	ATORE	WH# & M	O/YR EXP	IRATION	•	DATE	ŧ
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LANDFILL	. WASTE IN	ISPBCTOR	SIGNATURE	200	55	CCEPTED	18-11	REJECTED	D:94
WEIGHM	ASTER SIG	NATIRE		LICENSER	0	natt	0	TINGE IANA	Jom:



BOX 209, MCELHATTAN, PA 17748 PHONE: 570-769-6977 FAX: 570-769-7366 HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00 TICKET: 404483 DATE: 6/18/2010

TIME: 09:56:44 - 10:32:49

TRUCK: WM 410037

CUSTOMER: 809/CABOT OIL & GAS CORPORATION

FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

GROSS: 62080 LBS Scale

TARE: 36500 LBS Scale

PROFILE: CAB2 2H4H WELL - CABOT OIL & GAS NET: 25580 LBS

GENERATOR 111/CABOT OIL & GAS CORP TONS: 12.79 TNS
GRID: DC2/N 2945.84 E 11264.02 ELE 656.69

COMMENT:

ORIGIN	MATERIALS & SERVICES	•	JANTITY RATE	AMOUNT	
58/SUSQUEHANNA	801/DRILLING RESIDUALS	100	12,79 @ \$31.50 per Ton	\$402.89	
			TOTAL FEES:	\$134.30	
			TOTAL AMOUNT:	\$537.19	

ZES COMPRISED OF THE FOLLOWING:

DISPOSAL/SERVICES:	\$402.89
HOST COMMUNITY FEE: @ \$1.25 PER TON	\$15.99
PA RECYCLING FEE: @ \$2.00 PER TON	\$25.58
ENVIRONMENTAL STEWARDSHIP FEE: @ \$4.25 PER TON	\$54.36
HOST COUNTY FEE: @ \$3.00 PER TON	\$38.37

IN OPERATOR: JESSICA - 70953

DRIVER: Fri Jun 2010 00/18/10 10:32:48 OUT OPERATOR: JESSICA - 70953

 $www.waynetwplandfill.com\\ \hspace*{0.2cm} E-MAIL: ccswa@waynetwplandfill.com\\$ 

CABOT-EPA 007707

Wayne To	wnship La	ndfill	PADEP Permit	¥100955	Residu	al Waste Ma	nifest No	
Generato	r Name	Cabot Oi	l & Gas Corporat	ion				
Generator	Location		2H4H WELL-LAT4	14422.03N - LO	ONG755400	.74W - DIMO	CK TWP SU	ISQUEHANNA CTY
Contact N	lame	Chris Lov	vnjan	Ce	11# 412-58	0-8659	Office	# 412-249-3927
Profile	CAB2	(3-letter	code)	Carr	ier //////	(3-letter	code)	Truck#41003/
Customer/	Charge To	809	(3-digit numbe	er) Ori	gin 58	(2-digit r	number)	
WASTE			DESCR	IPTION OF W	ASTE			PERCENTAGE
801	drilling res	duals fron	natural gas well	drilling - WTL I	C#280344 -	5/12/2010		100%
	TOTAL PE	RCENTAG	•					100%
Generator Cert	tification: I here	by certify that	the above named mater	al(s) is not hazarda	us waste as defl	ned by CFR Part 2	61 or any applica	ible state
law, has been p	properly describ	ed and packag	ed and is in proper cond	ition for transporta	tion according to	o applicable regul	tions AND it the	waste is a
treatment resi	due of a previou	sly restricted i	nazardous wasza subject	to the sandfill Disp	osal Restriction,	I certify and warr	ant that the was	te has
been treated is	n accordance wi	th the require	ments of 40 CFR 268 and	1130 Jonedi hazard	ous as defined b	oy 40 CFR Part 261		
GHNERAT	OR SIGNAT	LIRE OF C	ERTIFICATION /	TITLE	1-0-	16 14	DATE	1 10 15
This	-107MV	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	/ 12	136	/ Feld	2011		10-18-10
TRANSPO	RTER - DRI	VER SIGN	aturé w -	н# & МО/үк	EXPIRATION N	N	DATE	
		U4)	SIGNATURE	70950	ACCEPT	n. 18-1	REJECTED	210:33
WFIGHM.	ASTER SIG	Atime	11	CFNYF#	ŊΔ.	AD TO T	TIME A	a / phat



3OX 209, MCELHATTAN, PA 17748 PHONE: 570-769-6977 FAX: 570-769-7366

HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00

TICKET: 404486 DATE: 6/18/2010

TIME: 10:04:57 - 10:36:53

TRUCK: WM 411601

CUSTOMER: 809/CABOT OIL & GAS CORPORATION

FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

GROSS: 61560 LBS Scale

TARE: 37360 LBS Scale

NET:

24200 LBS TONS: 12.10 TNS

PROFILE: CAB2 2H4H WELL - CABOT OIL & GAS GENERATOR 111/CABOT OIL & GAS CORP

GRID: DC2/N 2945.84 E 11264.02 ELE 656.69

COMMENT:

DRIGIN MATERIALS & SERVICES		PCT Q	UANTITY RATE	AMOUNT
58/SUSQUEHANNA	801/DRILLING RESIDUALS	100	12.10 @ \$31.50 per Ton	\$381.15
			TOTAL FEES:	\$127.06
			TOTAL AMOUNT:	\$508-21

BES COMPRISED OF THE FOLLOWING:

DISPOSAL/SERVICES:	\$381.15
HOST COMMUNITY FEE: @ \$1.25 PER TON	\$15.13
PA RECYCLING FEE: @ \$2.00 PER TON	\$24.20
ENVIRONMENTAL STEWARDSHIP FEE: @ \$4.25 PER TON	\$51.43
HOST COUNTY FEE: @ \$3.00 PER TON	\$36.30

IN OPERATOR: JESSICA - 70953

DRIVER: Fri Jun 2010 63/18/10 10 38-82 OUT OPERATOR: JESSICA - 70953

www.waynetwplandfill.com E-MAIL: ccswa@waynetwplandfill.com

**CABOT-EPA 007709** 

DIM0228942 DIM0227454

						·			
Wayne To	wnship La	ndfill	PADEP Perr	nit#100955	;	Residua	l Waste N	Nanifest No	
Generato	r Name	Cabot Oi	& Gas Corpo	ration					
Generator	Location		2H4H WELL-LA	AT414422.03	3N - LON	3755400.	74W - DIN	10CK TWP - 51	USQUEHANNA CTY
Contact N	ame	Chris Lov	vmari		Cell#	412-580	-8659	Office	a# 412-249-3927
Profile	CAB2	_(3-letter	code)		Carrier	wm	(3-lett	er code;	Truck#411601
Customer/	Charge To	809	(3-digit nur	nber)	Origin	58	(2-digi	t number)	7111
WASTE			DE	SCRUPTION	OF WAS	TE			PERCENTAGE
801	drilling res	iduals fron	natural gas w	ell drilling -	WTL ECH	280344 -	5/12/201	0	100%
					······································	erganit in fantski sy'n skrig Mesk in		-	
	TOTAL PE	RCENTAG							100%
treatment resi	due of a previo	usly restricted	(ed and is in proper hazordous waste su ments of 40 CFR 366	bject to the Land	aniyeyspossi	Restriction,	certify and w	varrant that the wa	
GENERAT	OR SIGNA	TURE OF C	ERTIFICATION		<u>ر</u>			DATE	
WOSTE V	numarcemen	I Muly	Someth L. 1	436 / Fe	B 201	1		6/18/10	
TRANSPO	RTER - DE	ÎYER SIGN	ATURE	WH#& M	IO/YR EX	PIRATIO	N	DATE	
	<u> L</u> K					<u> </u>			
LANDFILL	WASTE IN	SPECTOR	SIGNATURE	709	53	ACCEPT	ED 18-	REJECTE	JA1, 20
WEIGHM	aster sig	nightibe,	<b>→</b>	UCĖNSE		רממ	t -0	TIANE D	inn Wilter
		1 1						•	



FC ...OX 209, MCELHATTAN, PA 17748 PHONE: 570-769-6977 FAX: 570-769-7366

HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00

TICKET: 404488 DATE: 6/18/2010

TIME: 10:00:44 - 10:40:33

TONS:

TRUCK: WM 408253

CUSTOMER: 809/CABOT OIL & GAS CORPORATION

FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

GROSS: 54640 LBS Scale

NET: 18200 LBS

TARE: 36440 LBS Scale

9.10 TNS

PROFILE: CAB2/ 2H4H WELL - CABOT OIL & GAS

GENERATOR 111/CABOT OIL & GAS CORP

GRID: DC2/N 2945.84 E 11264.02 ELE 656.69

COMMENT:

ORIGIN			JANTITY RATE	AMOUNT
58/SUSQUEHANNA	801/DRILLING RESIDUALS	100	9.10 @ \$31.50 per Ton	\$286.65
			TOTAL FEES:	\$95.56
			TOTAL AMOUNT:	\$382.21

LES COMPRISED OF THE FOLLOWING:

DISPOSAL/SERVICES:	\$286.65
HOST COMMUNITY FEE: @ \$1.25 PER TON	\$11.38
PA RECYCLING FEE: @ \$2.00 PER TON	\$18.20
ENVIRONMENTAL STEWARDSHIP FEE: @ \$4.25 PER TON	\$38.68
HOST COUNTY FEE: @ \$3.00 PER TON	\$27.30

IN OPERATOR: JESSICA - 70953

DRIVER: F1/Jun 2010 08/18/10 10 40/32 OUT

OUT OPERATOR: JESSICA - 70953

www.waynetwplandfill.com E-MAIL: ccswa@waynetwplandfill.com

CABOT-EPA 007711

Wayne To	wnship La	ndfill	PADEP Perr	nit#100955	,	Residual	Waste A	Vlanifes	t No	
Generato	r Name	Cabot Or	l & Gas Corpo	ration						
Generator	Location		2H4H WELL-LA	T414422.03	N - LONG	755400.7	4W - DIN	IOCK TV	VP - SUS	QUEHANNA CTY
Contact N	lame	Chris Lov	vman		Cell#	412-580-	8659	1	Office#	412-249-3927
Profile	CAB2	_(3-letter	code)		Carrier	Wm	(3-lett	er code	)	Truck# <u>ゲロチ253</u>
Customer/	Charge To	809	(3-digit nun	nber)	Origin	58	(2-digi	t numb	er)	
WASTE			DES	CRIPTION	OF WAST	Έ				PERCENTAGE
801	drilling res	iduals fron	natural gas w	ell drilling -	WTL EC#2	20344 - 1	5/12/201	.0		100%
	TOTAL PE	RCENTAG	E							100%
treatment resibeen treated i	idue of a previo	usly restricted i	ed and is in proper hazardous Wasta sul merris of 40 CFR 268	pject to the Land wild is no longer	fill Disposal F	lestrictioN, I	certify and w	varfant the		
GENERAT	OR SIGNA	TURE OF C	ENTIFICATION	TITLE	8 2			DA	TE	
2	RTER - DR	VER SIGN		WH# & M 1436	.,	PIRATION 2011	4	D	ATE	18-10
	W	mo	SIGNATURE	709	53	ATTE ()	D-18.	DRE.	IECTED	10:41
WEIGHM	ASTER	NATURE		I ICFNSF#		ITÃO		Tin	AF I AM	// dr.ki

APPENDIX E

**Boring Logs** 

### **URS** Corporation

Foster Plaza 4 501 Holiday Drive, Suite 300 Pittsburgh, PA 15220

#### Monitoring Well: MW-1

Project:

2H/4H Wellsite

Project No.: 39938634.00018

Client: Cabot

Project Manager: David Testa

Location: Dimock PA

Geologist: Amanda Bayne

		SUBSURFACE PROFILE							
Depth	Symbol	Description	Elevation	Recovery	Sample Type	Blow Count	PID Readings	Well Completion Details	
ft m -3-11-11-11-11-11-11-11-11-11-11-11-11-1		One and Our f						Locking Steel Casing	
ահունդմահանդետնանդես 3		Ground Surface  DECOMPOSED SANDSTONE  Reddish brown decomposed shaly sandstone, dry.	0					Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Con	
7 1 2 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		Auger refusal at 7' (switch to air rotary)	10						
11 1 4		SANDSTONE AND SHALE Light gray sandstone with thinly interbedded shale, dry.						Bentonite 7	
15-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-		Water at 21'.							
19 6								Sand Pack   Sand Pack   Sand Pack   Sand Pack   Sand Pack   Sand Pack   Sand Pack   Sand Pack   Sand Pack   Sand Pack   Sand Screen	
21 <del>1</del>				ı				Sar	
25 8 27 -		End of Log	27	_					
Drill L	Drill Method: HSA/Air Rotary  Drill Date: 5/19/10  Hole Size: 6 1/4"  Rig: Acker Solmax  Datum: TOC = 1551.48  Drilling Co.: GeoEnvironmental Drilling, Inc.:hecked by: JP  Driller: Bill Wayne  Sheet: 1 of 1								



#### Monitoring Well: MW-2

Project: 2H/4

2H/4H Wellsite

Project No.: 39938634.00018

Client: Cabot

Project Manager: David Testa

Location: Dimock PA

Geologist: Amanda Bayne

		SUBSURFACE PROFILE			SAM	PLE		
Depth	Symbol	Description	Elevation	Recovery	Sample Type	Blow Count	PID Readings	Well Completion Details
-1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -		Ground Surface						Locking Steel Casing
1 minimining industry in the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second s		GRAVEL Light gray gravel with light brown sandstone fragments (pad fill), dry.  DECOMPOSED SANDSTONE Reddish brown decomposed shaly sandstone, dry.	7					Concrete  Concrete  Concrete  Concrete  Concrete  Concrete  Concrete  Concrete  Concrete  Concrete  Concrete  Concrete  Concrete  Concrete  Concrete  Concrete  Concrete  Concrete  Concrete  Concrete  Concrete  Concrete  Concrete  Concrete  Concrete  Concrete  Concrete  Concrete  Concrete  Concrete  Concrete  Concrete  Concrete  Concrete  Concrete  Concrete  Concrete  Concrete  Concrete  Concrete  Concrete  Concrete  Concrete  Concrete  Concrete  Concrete  Concrete  Concrete  Concrete  Concrete  Concrete  Concrete  Concrete  Concrete  Concrete  Concrete  Concrete  Concrete  Concrete  Concrete  Concrete  Concrete  Concrete  Concrete  Concrete  Concrete  Concrete  Concrete  Concrete  Concrete  Concrete  Concrete  Concrete  Concrete  Concrete  Concrete  Concrete  Concrete  Concrete  Concrete  Concrete  Concrete  Concrete  Concrete  Concrete  Concrete  Concrete  Concrete  Concrete  Concrete  Concrete  Concrete  Concrete  Concrete  Concrete  Concrete  Concrete  Concrete  Concrete  Concrete  Concrete  Concrete  Concrete  Concrete  Concrete  Concrete  Concrete  Concrete  Concrete  Concrete  Concrete  Concrete  Concrete  Concrete  Concrete  Concrete  Concrete  Concrete  Concrete  Concrete  Concrete  Concrete  Concrete  Concrete  Concrete  Concrete  Concrete  Concrete  Concrete  Concrete  Concrete  Concrete  Concrete  Concrete  Concrete  Concrete  Concrete  Concrete  Concrete  Concrete  Concrete  Concrete  Concrete  Concrete  Concrete  Concrete  Concrete  Concrete  Concrete  Concrete  Concrete  Concrete  Concrete  Concrete  Concrete  Concrete  Concrete  Concrete  Concrete  Concrete  Concrete  Concrete  Concrete  Concrete  Concrete  Concrete  Concrete  Concrete  Concrete  Concrete  Concrete  Concrete  Concrete  Concrete  Concrete  Concrete  Concrete  Concrete  Concrete  Concrete  Concrete  Concrete  Concrete  Concrete  Concrete  Concrete  Concrete  Concrete  Concrete  Concrete  Concrete  Concrete  Concrete  Concrete  Concrete  Concrete  Concrete  Concrete  Concrete  Concrete  Concrete  Concrete  Concrete  Concrete  Concre
7-1		Auger refusal at 9' (switch to air rotary)  SANDSTONE AND SHALE Light gray sandstone with thinly interbedded shale, dry.  Water at 53'.	9					Bentonite 7
19 6 21 23 23 23 24 25 25 25 27 2								
Drill L	Date: 5	/17/10 <b>Drilli</b> n		eoEn\	/ironm	ental [	Orilling,	Datum: TOC = 1550.30 Inc.:hecked by: JP
Hole	Size: 6	1/4" Driller	r: Bill Wa	ayne				Sheet: 1 of 2

#### Monitoring Well: MW-2

Project: 2H/4H Wellsite

Project No.: 39938634.00018

Client: Cabot

Project Manager: David Testa

Location: Dimock PA

Geologist: Amanda Bayne

	SUBS	URFACE PROFILE			SAM	PLE			
Depth	Symbol	Description	Elevation	Recovery	Sample Type	Blow Count	PID Readings	Well Completion Details	
29 31 33 33 35 41 43 44 47 49 51 53 55 57			57					Sand Pack	
Drill [	<b>Wethod:</b> HSA <b>Date:</b> 5/17/10 <b>Size:</b> 6 1/4"	E	Rig: Acker Sol Drilling Co.: G Driller: Bill Wa	SeoEnv	ironm	ental [	Orilling,	Datum: TOC = 1550.30 Inc.:hecked by: JP Sheet: 2 of 2	

#### Soil Boring: SB-3

Project: 2H/4H Wellsite Project No.: 39938634.00018

Client: Cabot

Project Manager: David Testa

Location: Dimock PA

Geologist: Amanda Bayne

	5	SUBSURFACE PROFILE			SAM	PLE		
Depth	Symbol	Description	Elevation	Recovery	Sample Type	Blow Count	PID Readings	Well Completion Details
E լատադաժոնդնունդիանակիանուկիանունդիանունդիանունդիանունդիանունդիանունդիանունդիանունդիանունդիանունդիանունդիանունդի		Ground Surface  GRAVEL Light gray gravel with light brown sandstone fragments (pad fill), dry. / DECOMPOSED SANDSTONE Reddish brown decomposed shaly sandstone, dry.	0 2					
ահուրակարարարար		Auger refusal at 18' (switch to air rotary)	18					
ահովահահովահո		SANDSTONE AND SHALE Light gray sandstone with thinly interbedded shale, dry.						
infuhuhuhuh		Damp zones at 54 to 56' and 60 to 61'.						
8		Boring drilled to 100' and allowed to sit overnight. No water was encountered in the borehole the following morning. No well						
10		installed due to insignificant water zone encountered during drilling. Borehole was moved over 10' and						
		drilled to 80'. No significant water encountered in borehole, therefore no well installed.						

**Drill Date: 5/19/10** Hole Size: 6 1/4"

Drilling Co.: GeoEnvironmental Drilling, Inchecked by: JP Driller: Bill Wayne

Sheet: 1 of 3

#### Monitoring Well: SB-3

Project: 2H/4H Wellsite

Project No.: 39938634.00018

Client: Cabot

Project Manager: David Testa

Location: Dimock PA

Geologist: Amanda Bayne

		SUBSURFACE PROFIL	E			SAM	PLE		
Depth	Symbol	Description		Elevation	Recovery	Sample Type	Blow Count	PID Readings	Well Completion Details
39 41 43 43 45 45 45 45 45 45 45 45 45 45 45 45 45									
47 de de de de de de de de de de de de de									
57 59 651 19 6351 19 6551						10			
67 11 21 73 11 11 11 11 11 11 11 11 11 11 11 11 11									
Drill I			Rig: Acke Drilling C Driller: Bi	<b>:</b> o. <i>:</i> G	eoEnv	ironme	ental C	 Orilling,	Datum: Gnd. Surf = 1546.7 In@hecked by: JP Sheet: 2 of 3

# Foster Plaza 4 501 Holiday Drive, Suite 300 Pittsburgh, PA 15220

#### Monitoring Well: SB-3

Project:

Location: Dimock PA

2H/4H Wellsite

Project No.: 39938634.00018

Client: Cabot

Project Manager: David Testa

Geologist: Amanda Bayne

	•	SUBSURFACE PROFILE		SAMPLE				
Depth	Symbol	Description	Elevation	Recovery	Sample Type	Blow Count	PID Readings	Well Completion Details
25 27 29 27 29 21 33 35 37 39 11 13 39 31 31 33 35 37 39 11 13 33 35 37 39 31 31 33 35 37 39 31 31 33 35 37 39 31 31 33 35 37 39 31 31 33 35 37 39 31 31 33 35 37 39 31 31 33 35 37 39 31 31 33 35 37 39 31 31 33 35 37 39 31 31 33 35 37 39 31 31 33 35 37 39 31 31 31 31 31 31 31 31 31 31 31 31 31		End of Log	100		6	8	d.	
15 35 17 Drill I		d: HSA/Air Rotary Ri	g: Acker Sol	max				<b>Datum:</b> Gnd. Surf = 1546.7

Drill Date: 5/19/10

Hole Size: 6 1/4"

Driller: Bill Wayne

Drilling Co.: GeoEnvironmental Drilling, In@hecked by: JP

Sheet: 3 of 3



#### Monitoring Well: MW-4

Project: 2H/4H Wellsite

**Project No.:** 39938634.00018

Client: Cabot

Project Manager: David Testa

Location: Dimock PA

Geologist: Amanda Bayne

	SUBSURFAC	PROFILE			SAM	PLE		
	De	scription	Elevation	Recovery	Sample Type	Blow Count	PID Readings	Well Completion Details
ft m				_				Locking Steel Casing
րումանիմանում ընտեսների 2	GRAVEL Light gray grav sandstone frag DECOMPOSE	el with light brown ments (pad fill), dry. / D SANDSTONE decomposed shaly	2					Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Con
անդիսիսիդիանուիլիսիունդիսիունոլի	rotary)  SANDSTONE	Istone with thinly	18					Bentonite
ահովոնականականական 8	Moist zones at 61'.  Boring drilled to sit overnight the following macreen interval significant water	54 to 56' and 60 to 5 100' and allowed Water level of 85' orning dictated well						
	hod: HSA/Air Rotan	-						Datum: TOC = 1549.51

#### Monitoring Well: MW-4

Project: 2H/4H Wellsite

Project No.: 39938634.00018

Client: Cabot

Project Manager: David Testa

Location: Dimock PA

Geologist: Amanda Bayne

	SUBSURFACE PROFILE						PLE		
Depth	Symbol	Description	H volta		Recovery	Sample Type	Blow Count	PID Readings	Well Completion Details
39 41 43 45 47 49 15 53 55 57 59 61 63 67 69 71 73 75 77 77									
Drill L	Method Date: 5 Size: 6		Rig: Acker S Drilling Co. Driller: Bill N	: G	eoEnv	ironme	ental [	Drilling,	Datum: TOC = 1549.51 InChecked by: JP Sheet: 2 of 3

### Foster Plaza 4 501 Holiday Drive, Suite 300 Pittsburgh, PA 15220

#### Monitoring Well: MW-4

Project:

2H/4H Wellsite

Project No.: 39938634.00018

Client: Cabot

Project Manager: David Testa

Location: Dimock PA

Geologist: Amanda Bayne

